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SELECTING DIGITAL FILTERS FOR APPLICATION TO DETAILED WIND PROFILES

By R. E. DeMandel and S. J. Krivo

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16. ABSTRACT

The application of Martin-Graham digital filters to detailed wind profiles is discussed, and procedures are outlined for selecting filter designs for a variety of applications. The numerous tables and illustrations enable the investigator to evaluate the capabilities and limitations of the many filters from which he may choose. Methods for weight computation and application to wind profile measurements are provided.

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FOREWORD

This document presents the results of work performed by Lockheed's Huntsville Research & Engineering Center while under subcontract to Northrop Nortronics (NSL PO 5-09287) for Marshall Space Flight Center, Contract NAS8-20082. This task was conducted in response to the requirement of Appendix A-1, Schedule Order 26.

The NASA contract monitor is Dr. George Fichtl of the Aerospace Environment Division, Aero-Astrodynamics Laboratory, Marshall Space Flight Center, Alabama.

SUMMARY

Application of Martin-Graham digital filters to detailed wind profiles is discussed. Procedures are outlined for selecting filter designs for a variety of applications. Numerous tables and illustrations enable the investigator to evaluate the capabilities and limitations of the many filters from which he may choose. Methods for weight computation and application to wind profile measurements are provided.

CONTENTS

Section		Page
	FOREWORD	iii
	SUMMARY	v
1	INTRODUCTION	1
2	DISCUSSION	2
	2.1 General	2
	2.2 Response as a Function of f_c, f_t and n	4
	2.3 Use of Tables to Evaluate Response	6
	2.4 Determining and Applying Filter Weights	8
	2.5 High-Pass, Band-Pass and Notch Filters	11
	REFERENCES	12
	FIGURES	13
	APPENDIXES	
	A: Martin-Graham Filter Subroutine	A-1
	B: Tables of the Wavelengths at which Response Equals 0.8 and 0.2	B-1
	C: Tables of the rms Difference Between the Gain and Response Functions	C-1
	D: Tables of Filter Weights	D-1

LIST OF ILLUSTRATIONS

Appendix B: Tables		
1	$\Delta f = 0.00030$	B-1
2	$\Delta f = 0.00050$	B-4
3	$\Delta f = 0.00075$	B-7
4	$\Delta f = 0.00100$	B-10
5	$\Delta f = 0.00125$	B-13

Appendix B: Tables | Page

6	$\Delta f = 0.00150$	B-16
7	$\Delta f = 0.00175$	B-19
8	$\Delta f = 0.00200$	B-22
9	$\Delta f = 0.00250$	B-25
10	$\Delta f = 0.00300$	B-28
11	$\Delta f = 0.00400$	B-31

Appendix C: Tables

1	$\Delta f = 0.00030$	C-1
2	$\Delta f = 0.00050$	C-2
3	$\Delta f = 0.00075$	C-3
4	$\Delta f = 0.00100$	C-4
5	$\Delta f = 0.00125$	C-5
6	$\Delta f = 0.00150$	C-6
7	$\Delta f = 0.00175$	C-7
8	$\Delta f = 0.00200$	C-8
9	$\Delta f = 0.00250$	C-9
10	$\Delta f = 0.00300$	C-10
11	$\Delta f = 0.00400$	C-11

Appendix D: Tables

1	$\Delta f = 0.00030$	D-1
2	$\Delta f = 0.00050$	D-4
3	$\Delta f = 0.00075$	D-7
4	$\Delta f = 0.00100$	D-10
5	$\Delta f = 0.00125$	D-13
6	$\Delta f = 0.00150$	D-16
7	$\Delta f = 0.00175$	D-19
8	$\Delta f = 0.00200$	D-22
9	$\Delta f = 0.00250$	D-25
10	$\Delta f = 0.00300$	D-28
11	$\Delta f = 0.00400$	D-31

Figures

1	Profile of Meridional Wind Component; 1400Z, 23 December 1964, Cape Kennedy, Florida	13
2	Profile of Jimsphere Ascent Rate; 1400Z, 23 December 1964, Cape Kennedy, Florida	14

Figure		Page
3	Effect of Shifting the Rolloff Interval	15
4	Effect of Shifting the Rolloff Interval — Filtered Meridional Component	23
5	Effect of Shifting the Rolloff Interval — Filtered Ascent Rate	27
6	Effect of Varying the Number of Weights	31
7	Effect of Varying the Number of Weights — Filtered Meridional Component	36
8	Effect of Varying the Number of Weights — Filtered Ascent Rate	38
9	Effect of Varying the Number of Weights — Filtered Meridional Component	40
10	Effect of Varying the Number of Weights — Filtered Ascent Rate	42
11	Effect of Varying Δf	44
12	Effect of Varying Δf — Filtered Meridional Component	48
13	Effect of Varying Δf — Filtered Ascent Rate	50
A-1	The Four Filter Types which can be Generated with GFILTR	A-2

Section 1
INTRODUCTION

This document is intended to assist investigators design, construct and apply digital filters to detailed wind profiles (i.e., profiles whose measurements are provided at 25-m altitude increments, such as those derived from FPS-16 radar measurements of the Jimsphere balloon). Information presented is in a form that requires little prior knowledge of the theory of filtering. Detailed theoretical treatments can be found in Refs. 1, 2 and 3.

Digital filters are used for smoothing, trend removal, or other forms of selective spectral alteration. For example, smoothing can be used to isolate synoptic or mesoscale wind profile features for study, or large-scale motions can be removed so that the effects of only small-scale motions can be examined. In this report, the task of filter design is reduced to selecting three parameters which determine the response (i.e., the effect that the filter has on the frequency domain of the input data). After he understands the way in which these parameters affect response, the investigator can construct a filter that best satisfies his requirements. By using the tabulated data and illustrations, the effects of a wide variety of filters can be compared.

The filters discussed are based on the Martin-Graham cosine rolloff model. This design was selected because of its

- Efficiency (a desired effect can be achieved with fewer weights than with most other filter types),
- Evenness (no phase shifts are produced), and
- Flexibility (weights for low-pass, high-pass, band-pass, and notch filters are easily computed).

Section 2
DISCUSSION

2.1 GENERAL

Most of this discussion concerns Martin-Graham low-pass, i.e., (smoothing) filters. With minor modifications, much of the information also applies to high-pass filters, and, to a lesser degree, band-pass and notch filters (Section 2.5).

Generally, a filter consists of a sequence of weights, each of which determines the proportion that an observation in a series contributes to the filtered value. All Martin-Graham filters consist of an odd number of weights, n, whose values are symmetric about the center weight. This configuration eliminates phase shifts. The filter is applied by cumulatively multiplying consecutive wind profile values by the weights to obtain a filtered wind at the level of the center weight. Filtered values are computed at each 25-m level for which input data are provided (except for the first and last $N = (n-1)/2$ values, which are lost). This process is illustrated in Section 2.4.

A discussion of digital filters requires that some of the concepts and methods of Fourier analysis be used. In the Fourier context, a wind profile is assumed to comprise a sum of sinusoidal waves of various lengths, amplitudes and phases. A filter operates on the frequency* domain, selectively altering the relative amplitudes of the Fourier components. Ideally, a low-pass filter would remove all Fourier components whose frequencies exceed a specified value, while leaving all lower frequency components unaffected.

*The term "frequency" ordinarily denotes the reciprocal of period in a time series. In this report, where space series are discussed, "frequency" analogously refers to the reciprocal of wavelength. The units used are cycles per meter.

Any filter with a finite n only approximates the ideal effect. A filter's effectiveness, therefore, can be evaluated in terms of how closely it approximates the ideal.

2.1.1 Response and Gain Functions

The response function of a filter, $\hat{G}(f)$, gives the effect of a filter on the frequency domain. The response function, $\hat{G}(f)$, is defined as the ratio of the amplitude of an oscillation of frequency f after filtering to its amplitude before filtering.* An ideal low-pass filter would have $\hat{G}(f) = 1$ for all frequencies less than some specified cutoff frequency, f_c, and $\hat{G}(f) = 0$ for all $f > f_c$. Given a set of filter weights, $\hat{G}(f)$ can be computed from the equation given on page A-4 of Appendix A.

The basic design of a filter is specified by its gain function, G(f), which is defined in precisely the same manner as $\hat{G}(f)$, except that G(f) represents the desired or designed response. The gain function for the Martin-Graham low-pass filter is given on page A-1 of Appendix A. The distinguishing characteristic of this model is that G(f) is allowed to roll off from 1 to 0 as a cosine function. Other investigators (Ref. 4) have shown that the Martin-Graham model produces more efficient filters than any of several other designs that have been tested.

2.1.2 Filter Design and Construction

To construct a filter, the cutoff and termination frequencies, f_c and f_t, are selected to provide the desired rolloff, which determines a unique gain function that can be converted, by an inverse Fourier transformation, to the weight function (Appendix A, page A-2). After deciding upon the number of

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*Just as the response function measures the effect of a filter on input data, the power transfer function, $(\hat{G}(f))^2$ measures its effect upon the spectrum of the data. For investigations of wind profile spectra, the transfer function may be a more useful measure of a filter's effect.

weights needed, one computes the weights from the discrete sample form of the weight function as shown on page A-3 of Appendix A.

In designing a filter, the parameters f_c, f_t and n must be chosen so that an adequate response is produced. The required response, however, is a function of the spectral characteristics of the data. For example, consider the profiles of the meridional wind component and ascent rate in Figs. 1 and 2. Clearly, the ratios of the amplitudes of high frequencies to low frequencies differ greatly. Therefore, smoothing the ascent rate requires that high frequencies be suppressed more than is needed to produce an equivalent smoothing of horizontal winds. This becomes evident later in the discussion where the gain and response functions of a variety of low-pass filters, together with filtered versions of the profiles in Figs. 1 and 2, are shown.

2.2 RESPONSE AS A FUNCTION OF f_c, f_t AND n

The proper choice of f_c, f_t and n requires that the characteristics of the resultant response function be anticipated. Although the gain function G(f) is specified by f_c and f_t, how closely $\hat{G}(f)$ approximates G(f) for a given n must be known. Specifically, it is important to know: (1) the width of the actual rolloff and (2) the effectiveness of the preservation of all $f < f_c$ and attenuation of all $f > f_t$. A sharp rolloff is desirable because attenuation varies widely in this interval. If the lobes in $\hat{G}(f)$ outside the rolloff interval (see below) are too large, inadequate attenuation of high frequencies, coupled with distortion of the relative amplitudes of low frequencies, may result. Response characteristics, as they relate to the choice of f_c, f_t, and n, are discussed in this section.

2.2.1 Effect of Varying f_c

The effect of varying f_c is illustrated in Figs. 3, 4, and 5. Figures 3a through 3h show the gain (dotted line) and response (solid line) functions* for

*The frequency scale extends from zero to the Nyquist frequency (f_N = 0.02). This is the highest frequency that can be represented by 25-m data.

several filters, each of which has 101 weights and a rolloff interval of 0.0005. The cutoff frequencies vary from 0.0 to 0.01, corresponding to vertical wavelengths ranging from infinity to 100 m. The function $\hat{G}(f)$ closely approximates $G(f)$, as evidenced by the sharp rolloff and low-amplitude side lobes. Figures 4 and 5 show the effect of filtering the profiles shown in Figs. 1 and 2, using 24 different values of f_c while maintaining $N = (n-1)/2$ and $\Delta f = f_t - f_c$ constant at 50 and 0.0005, respectively. Note that the lowermost and uppermost 50 data points are lost. Each filtered profile is plotted to the same scale as the unfiltered profiles of Figs. 1 and 2. The space between vertical grid lines equals the displacement of successive filtered profiles.

2.2.2 Effect of Varying n

The departure of $\hat{G}(f)$ from $G(f)$ depends, in part, upon the number of weights, n. In fact, $G(f) = \lim_{n\to\infty} \hat{G}(f)$. Figures 6a through 6e illustrate this effect by showing results for n = 11, 21, 41, 71 and 101, while f_c and f_t remain fixed at 0.005 and 0.0055, respectively. Notice that as n increases, $\hat{G}(f)$ rolls off more sharply and side-lobe amplitudes tend to diminish. The sets of filtered profiles of Figs. 7 and 8 include the effects of the filters shown in Fig. 6.

Depending on the filtering task and the spectral composition of the data, the choice of n may or may not be crucial. For example in Figs. 7 and 8, increasing the number of weights beyond 31 has only a very slight effect. If a rolloff is required in the very low frequency portion of the spectrum, where spectral amplitudes in wind profiles are normally large, however, n becomes very important. In Figs. 9 and 10 where $f_c = 0.0$ and $f_t = 0.0005$ (attenuation of all $\lambda < 2000$ m is wanted), the importance of n is obvious, with n = 101 producing the best results (see Fig. 3a for $G(f)$ and $\hat{G}(f)$). Here, a sharp rolloff and small high-frequency lobes in $\hat{G}(f)$ are essential.

2.2.3 Effect of Varying Δf

The rolloff bandwidth, Δf, also affects the behavior of $\hat{G}(f)$. For a fixed n, side-lobe amplitudes generally increase as Δf decreases. Thus, in selecting a filter, one must compromise between rolloff sharpness and suppression of side lobes. Figures 11a through 11d, where $n = 11$, $f_c = 0.001$ and Δf varies, illustrate this effect. The sequences of filtered profiles in Figs. 12 and 13 include the effects of the filters shown in Fig. 11. Note that high frequencies (oscillations which make the unfiltered profile look rough) are effectively removed from the profile of the meridional component and that there is little noticeable difference between the filtered profiles. High frequencies in the filtered ascent-rate, however, are not completely removed, although they are increasingly attenuated as Δf becomes larger.

Response also depends upon the sampling interval of the data. Since the sampling interval is a constant 25m for detailed profiles, this effect may be ignored in this study.

In summary, the following points should be considered when the parameters, f_c, f_t and n, are being selected:

- Filter requirements depend upon the spectral composition of the input data. Specifically, they depend upon the ratio of amplitudes of the frequencies to be suppressed to those to be retained.
- Response improves (i.e., $\hat{G}(f)$ approaches $G(f)$) as the number of weights increases. Unfortunately, computation time and the number of points lost (the first and last N) increase correspondingly.
- In selecting f_c and f_t for a low-pass filter with n weights, one should realize that as Δf decreases the side-lobes of $\hat{G}(f)$ tend to increase.

2.3 USE OF TABLES TO EVALUATE RESPONSE

Appendix B and Appendix C consist of tables which permit comparisons to be made among the response characteristics of a variety of low-pass filters.

The tables in Appendix B measure the rolloff of the response curves and those in Appendix C indicate the rms deviation of $\hat{G}(f)$ from $G(f)$. Each appendix contains 11 tables, grouped according to Δf because, for fixed values of Δf and n, the response functions tend to have similar rolloff bandwidths and side lobe amplitudes (see Figs. 3a through 3h). Each table contains columns corresponding to 24 different f_c's or vertical wavelengths of ∞ ($f_c = 0$), 10 km, 7.5 km, 5 km, 4 km, 3 km, 2.5 km, 2 km, 1750 m, 1500 m, 1250 m, 1000 m, 900 m, 800 m, 700 m, 600 m, 500 m, 400 m, 300 m, 250 m, 200 m, 150 m, 125 m, and 100 m. Each column is labeled according to f_c and f_t and their equivalent vertical wavelengths λ_c and λ_t. The columns contain values corresponding to N = 5, 10, ..., 50.

2.3.1 Use of Response Rolloff Tables (Appendix B)

The response rolloff tables give the vertical wavelengths at which $\hat{G}(f)$ equals 0.8 and 0.2. While the choice of 0.8 and 0.2 is arbitrary, the tables provide information on the true rolloff of each filter. From these listed values, one may compare the rolloff steepness of 2640 filters. The following examples illustrate possible uses of the tables:

<u>Example</u>: How many weights are needed to attenuate at least 80% of all $\lambda < 100$ m and retain at least 80% of all $\lambda > 150$ m?

Filters having the required rolloff and only 11 weights (N=5) are found in Tables 1 through 5 (with $\lambda_c = 125$ m), and Tables 8 through 10 (with $\lambda_c = 150$ m). Possibly even fewer weights could produce the required rolloff.

<u>Example</u>: All $\lambda < 200$ m in an ascent-rate profile are to be strongly attenuated and all $\lambda > 1000$ m are to be essentially retained. Assuming that choosing $\Delta f = 0.002$ and N = 50 will ensure the necessary small side-lobes, what value of λ_c should be chosen?

Since retention of the band $200 < \lambda < 1000$ is not required, it should be attenuated as much as possible. Table 8 (p. B-22) shows that $\lambda_c = 2500$ m produces an 80 to 20% rolloff from 1006.70 to 552.67. Other choices of λ_c (such as 1000 m) would satisfy the stated objectives, but would produce less attenuation of the 200 - 1000 m band.

2.3.2 Use of Tables of RMS Difference Between Gain and Response (Appendix C)

This set of tables indicates the degree of conformity between the gain and response. Tabulated values give an indication of the relative magnitudes of side lobes, and therefore the degree of suppression of unwanted high frequencies. Each tabulated value is the rms difference between G(f) and $\hat{G}(f)$, computed from 200 differences. The tables confirm the tendency for $\hat{G}(f)$ to approach G(f) as n and Δf increase.

Example: Assume that the filter whose response is shown in Fig. 11d ($\Delta F = 0.004$, N=5, $f_c = 0.001$) is considered to be adequate to attenuate all $\lambda < 100$ m in an ascent rate profile (see Fig. 13b). Appendix B (p. B-32) shows the 80 to 20% rolloff to be from 601.8 to 248.0 m. Appendix C gives an rms value of 0.04866. Suppose that a sharper rolloff is wanted (from 600 m to 500 m) while at least the same degree of attenuation of $\lambda < 100$ m is maintained. How many weights would be needed?

A survey of the rolloff tables (Appendix B) reveals only three listed filters that have the desired rolloff (i.e., Table 1, $\lambda_c = 600$, and $\lambda_t = 508$, N = 40, 45, or 50). Table 1 of Appendix C shows that the rms value for each of these filters is less than 0.04866. Thus, the choice of $\lambda_c = 600$, $\lambda_t = 508$, and N = 40 (81 weights) can reasonably be expected to be adequate.

2.4 DETERMINING AND APPLYING FILTER WEIGHTS

The preceding discussion, with its illustrations and tables, should enable the investigator to choose the parameters for a low-pass filter which meets his requirements. The capabilities and limitations of the Martin-Graham filter, as applied to detailed wind profiles, have been presented. Methods for generating weights and applying them to wind profile data are discussed in this section.

Two methods of determining weights are provided. One of these is a subroutine, written in FORTRAN IV, which can generate weights for any Martin-Graham low-pass, high-pass, band-pass or notch filter. It can also filter input data and compute response. The use of the method is not limited

to 25-m wind profile data. The subroutine is fully explained and listed in Appendix A.

If the use of the subroutine described in Appendix A is not possible, weights can be obtained from the third set of tables (Appendix D). The format of the weight tables is equivalent to the format of the other two sets of tables. Each tabulated column consists of 51 non-normalized weights which can be grouped to form low-pass filters of from 3 to 101 weights. After the filter parameters n, f_c, and f_t have been chosen, the weights are computed as follows:

1. Find the table and weight column corresponding to f_c and f_t.
2. The leftmost column on each page lists values of N from 0 to 50. Use the first N+1 values (h_0 through h_N) in the weight column to form the filter weight array:

$$\underline{h}_N, \underline{h}_{(N-1)}, \cdots \underline{h}_2, \underline{h}_1, \underbrace{h_0, h_1, h_2, \ldots h_{(N-1)}, h_N}$$

   where $h_{-i} = h_i$ for all i.
   (The block of values in the table corresponds to the sequence shown in brackets.)
3. Normalize by applying the constraint

$$\sum_{i=-N}^{N} h_i = 1$$

   by dividing each weight by the sum of all the weights:

$$h_0 + 2 \sum_{i=1}^{N} h_i$$

<u>Example</u>: Suppose these filter parameters have been selected:

$$n = 5$$
$$f_c = 0.004 \ (\lambda_c = 250 \text{ m})$$
$$f_t = 0.005 \ (\lambda_t = 200 \text{ m})$$

Since $\Delta f = 0.001$, the required weight column is in Table 4. Since $N = 2$, the first $N+1 = 3$ tabulated values are used to form the symmetric weight array:

0.06273137
0.08264199
0.09000000
0.08264199
0.06273137

and the normalized weights w_i (to three decimal places) are:

0.165
0.217
0.236
0.217
0.165

Application of weights to a sequence of wind profile data is illustrated below:

Given, for example, a 5-weight filter w_{-2}, w_{-1}, w_0, w_1, w_2 and a sequence of wind values, u_1, u_2, u_3, ..., the filter operates on the data as follows:

Altitude	Unfiltered Wind				Filtered Wind
Z_o	u_1	w_{-2}			—
$Z_o + 25$	u_2	w_{-1}	w_{-2}		—
$Z_o + 50$	u_3	w_0	w_{-1}	w_{-2}	$\sum_{i=-2}^{2} u_{i+3} w_i$
$Z_o + 75$	u_4	w_1	w_0	w_{-1}	$\sum_{i=-2}^{2} u_{i+4} w_i$
$Z_o + 100$	u_5	w_2	w_1	w_0	$\sum_{i=-2}^{2} u_{i+5} w_i$
$Z_o + 125$	u_6		w_2	w_1	.
$Z_o + 150$	u_7			w_2	.
.	.				.
.	.				.

(Note that no filtered values are provided for the first $N = 2$ points (this is also true for the last N points)).

2.5 HIGH-PASS, BAND-PASS AND NOTCH FILTERS

The high-pass, band-pass and notch filters, whose characteristic gain functions are illustrated in Fig. A-1, Appendix A, are used to attenuate low frequencies, high and low frequencies, or any isolated frequency bands, respectively. Weights for any of these filters can be easily obtained from low-pass filter weights as described on page A-4 of Appendix A.

The response of a high-pass filter equals one minus the response of the equivalent low-pass filter (same n, f_c and f_t reversed). Therefore, the data in Appendixes B and C are valid for both types, except that the cutoff and termination values are reversed.

Band-pass and notch filters are constructed from pairs of high- and low-pass filters. Their response functions are thus composites of two filters. Therefore, the tables in Appendixes B and C do not apply to band-pass or notch filters.

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FIGURES

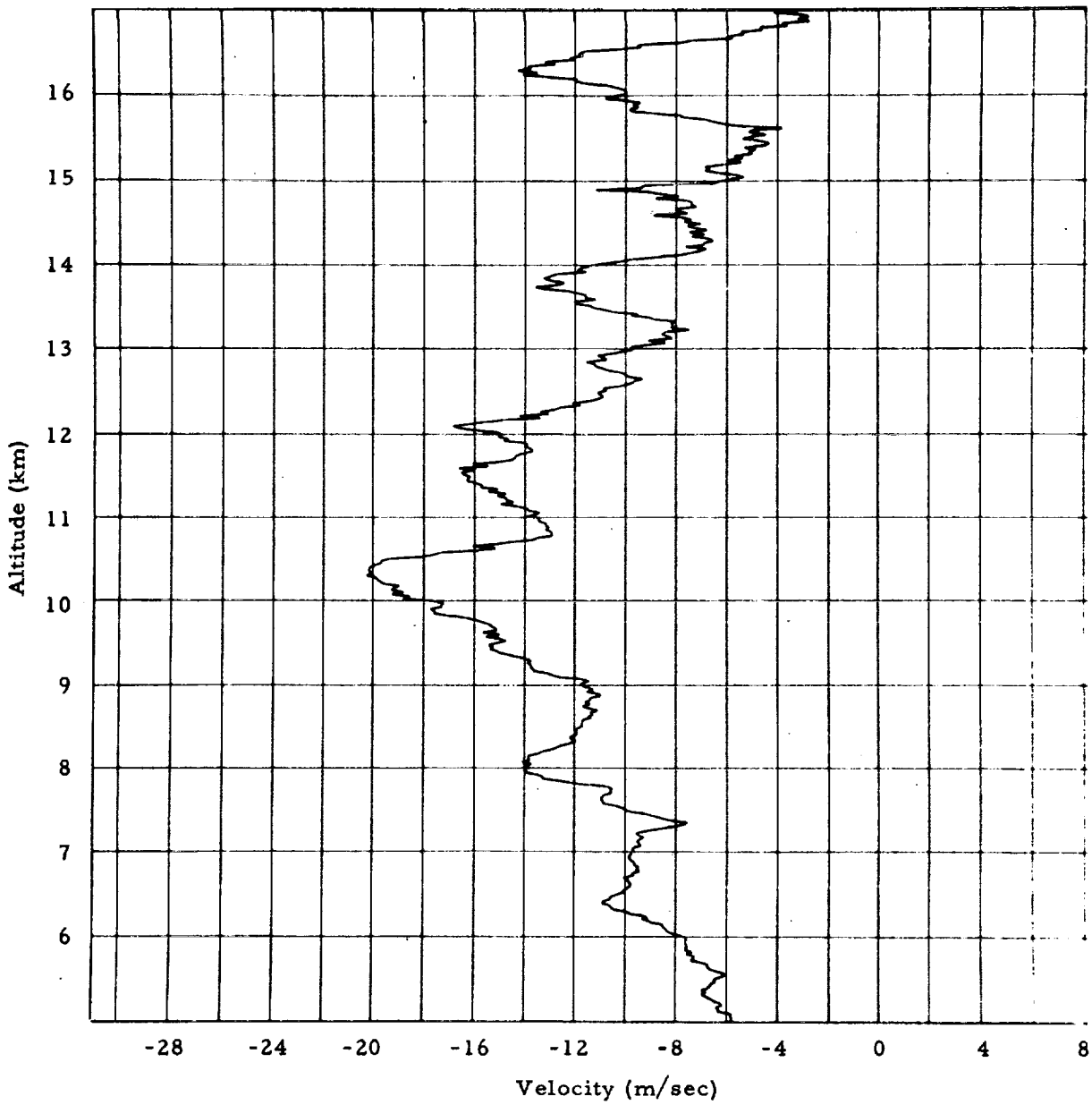

Fig. 1 - Profile of Meridional Wind Component; 1400Z, 23 December 1964, Cape Kennedy, Florida

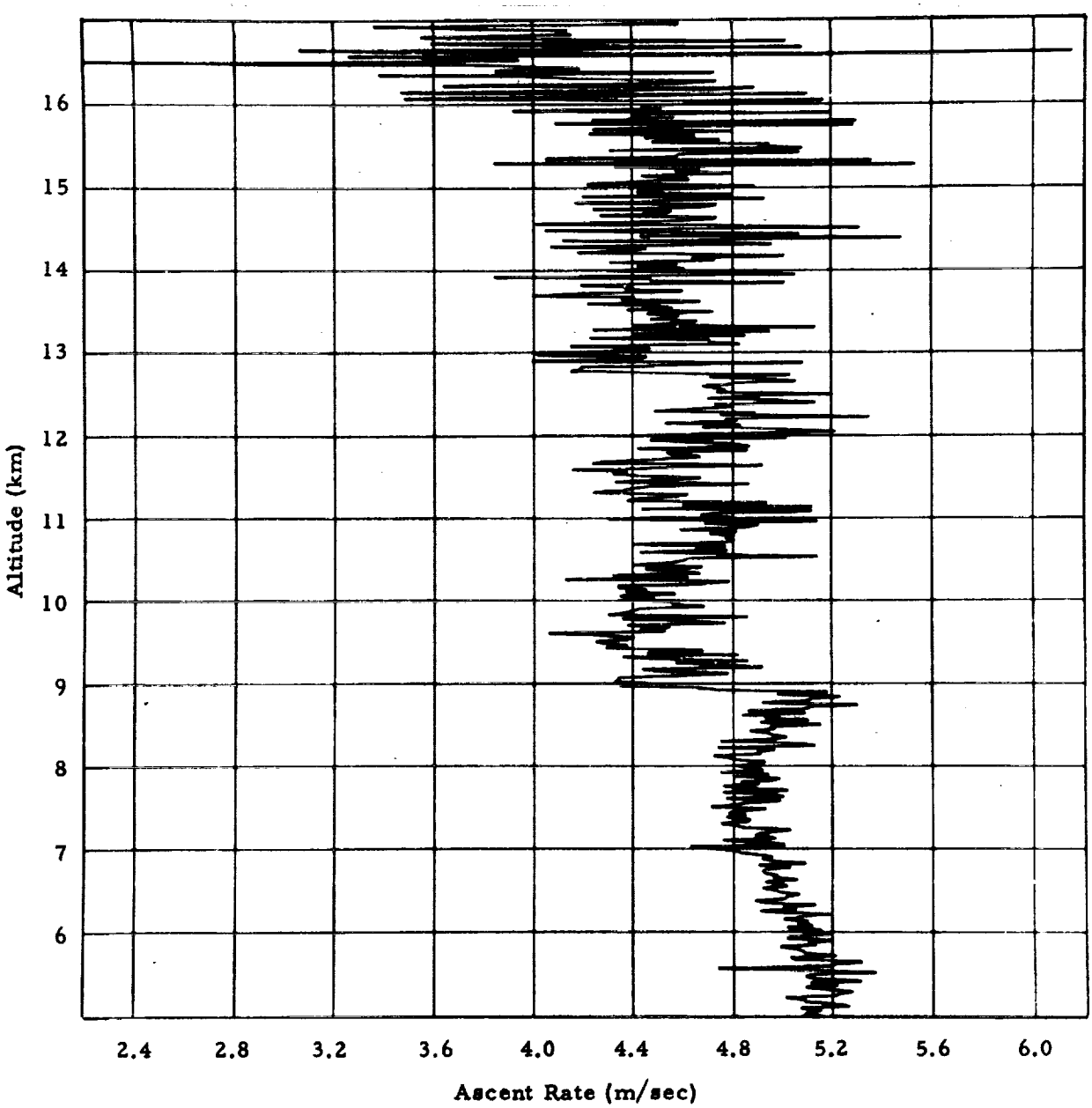

Fig. 2 - Profile of Jimsphere Ascent Rate; 1400Z, 23 December 1964, Cape Kennedy, Florida

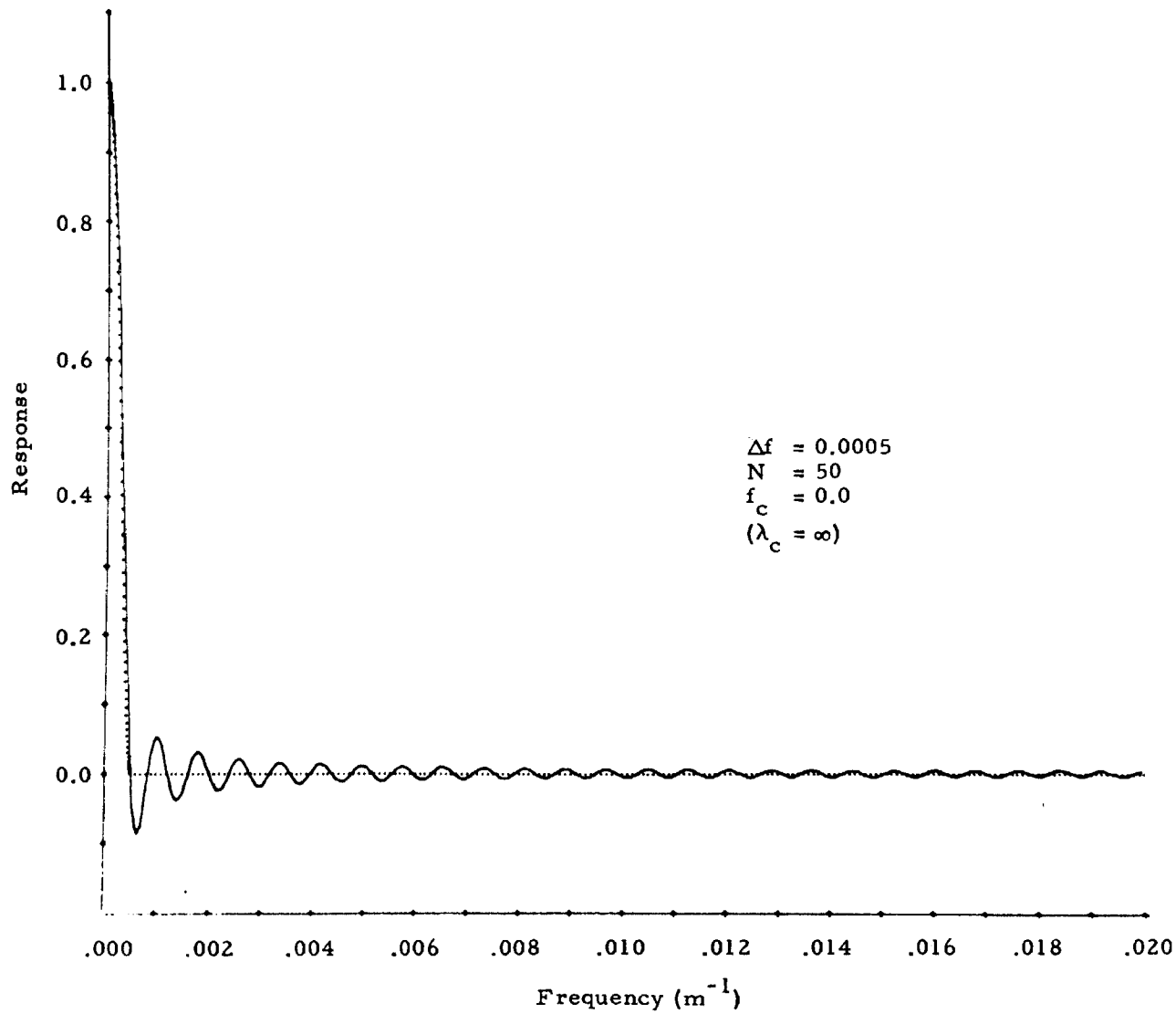

Fig. 3a - Effect of Shifting the Rolloff Interval

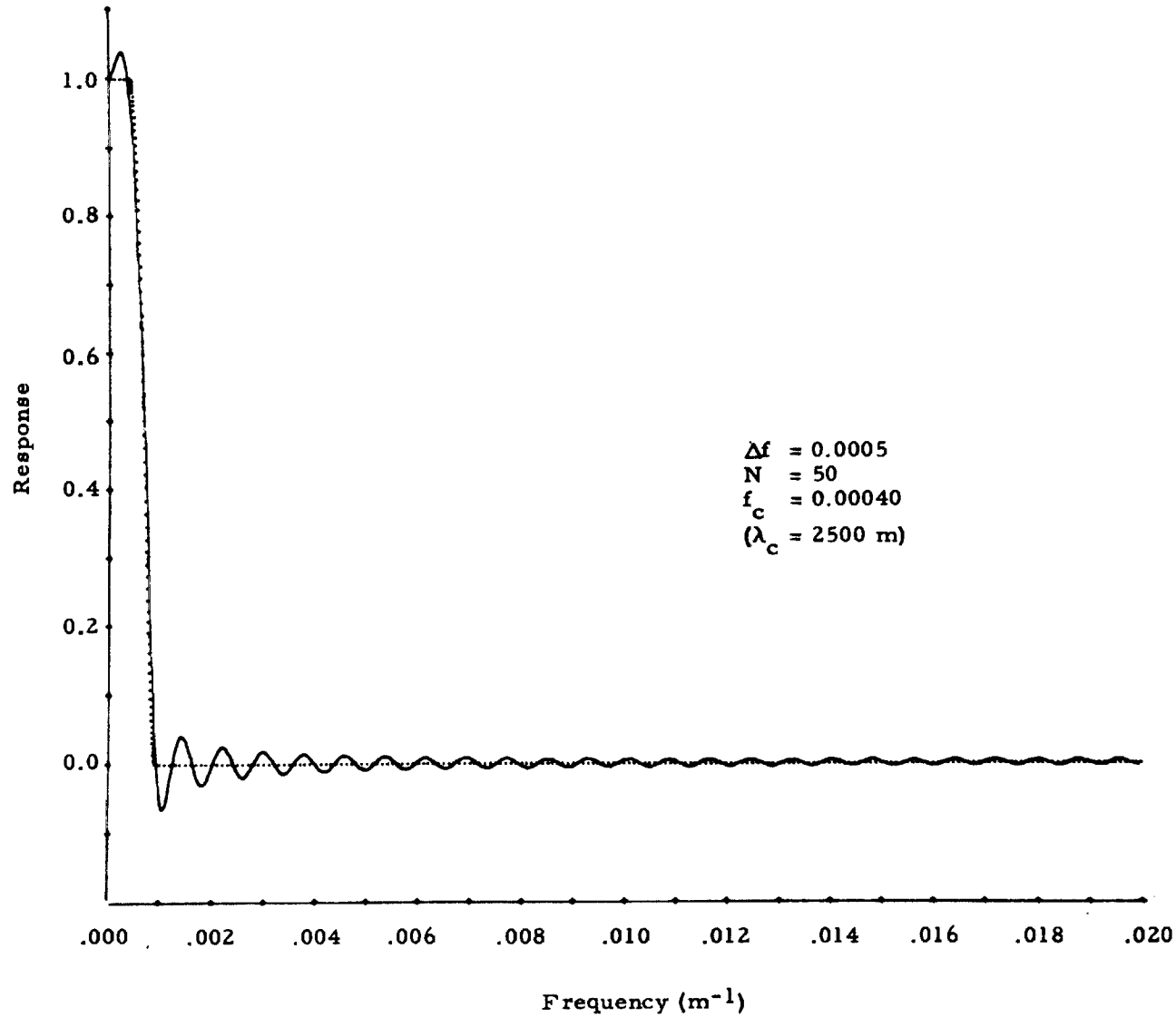

Fig. 3b - Effect of Shifting the Rolloff Interval

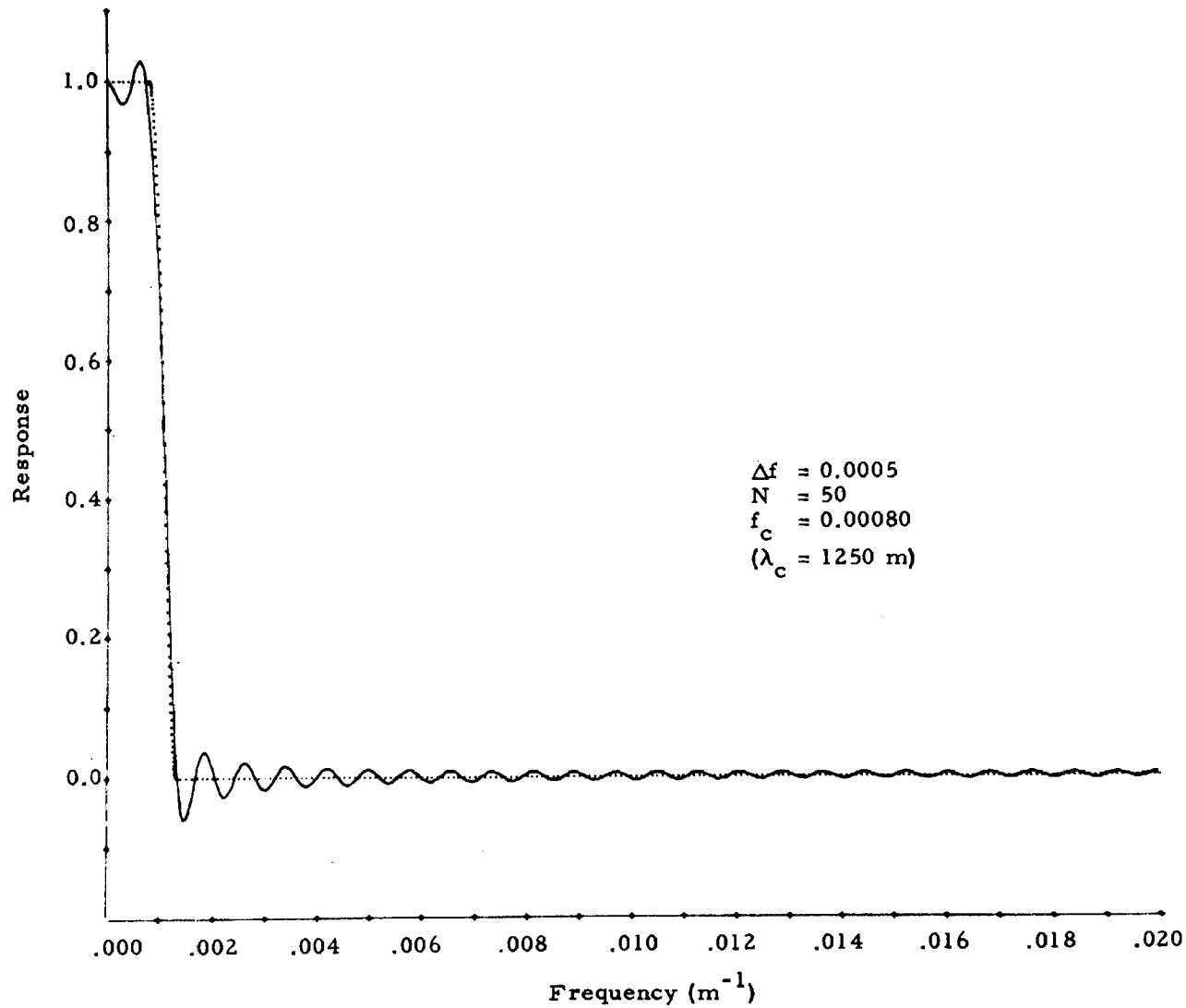

Fig. 3c - Effect of Shifting the Rolloff Interval

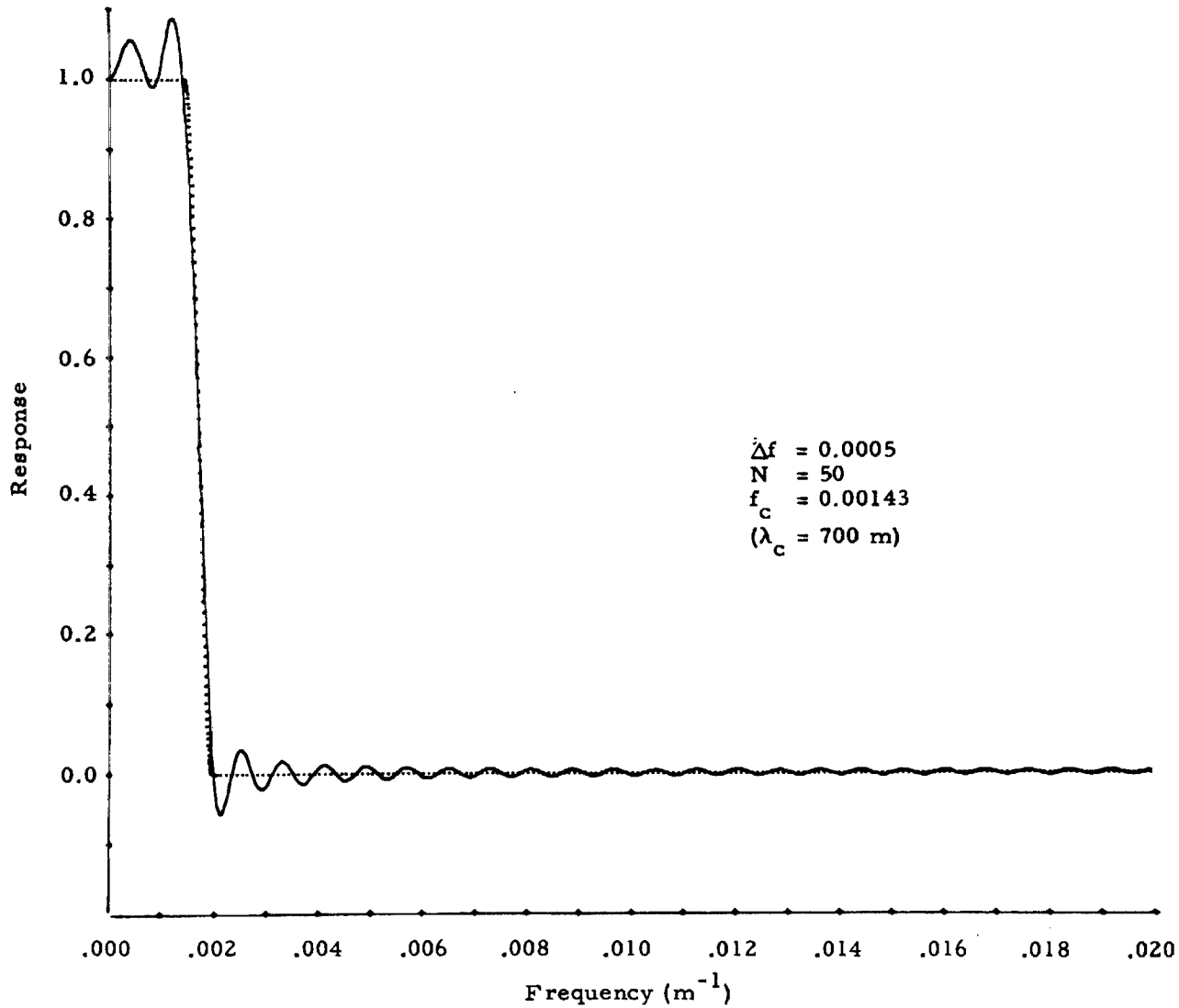

Fig. 3d - Effect of Shifting the Rolloff Interval

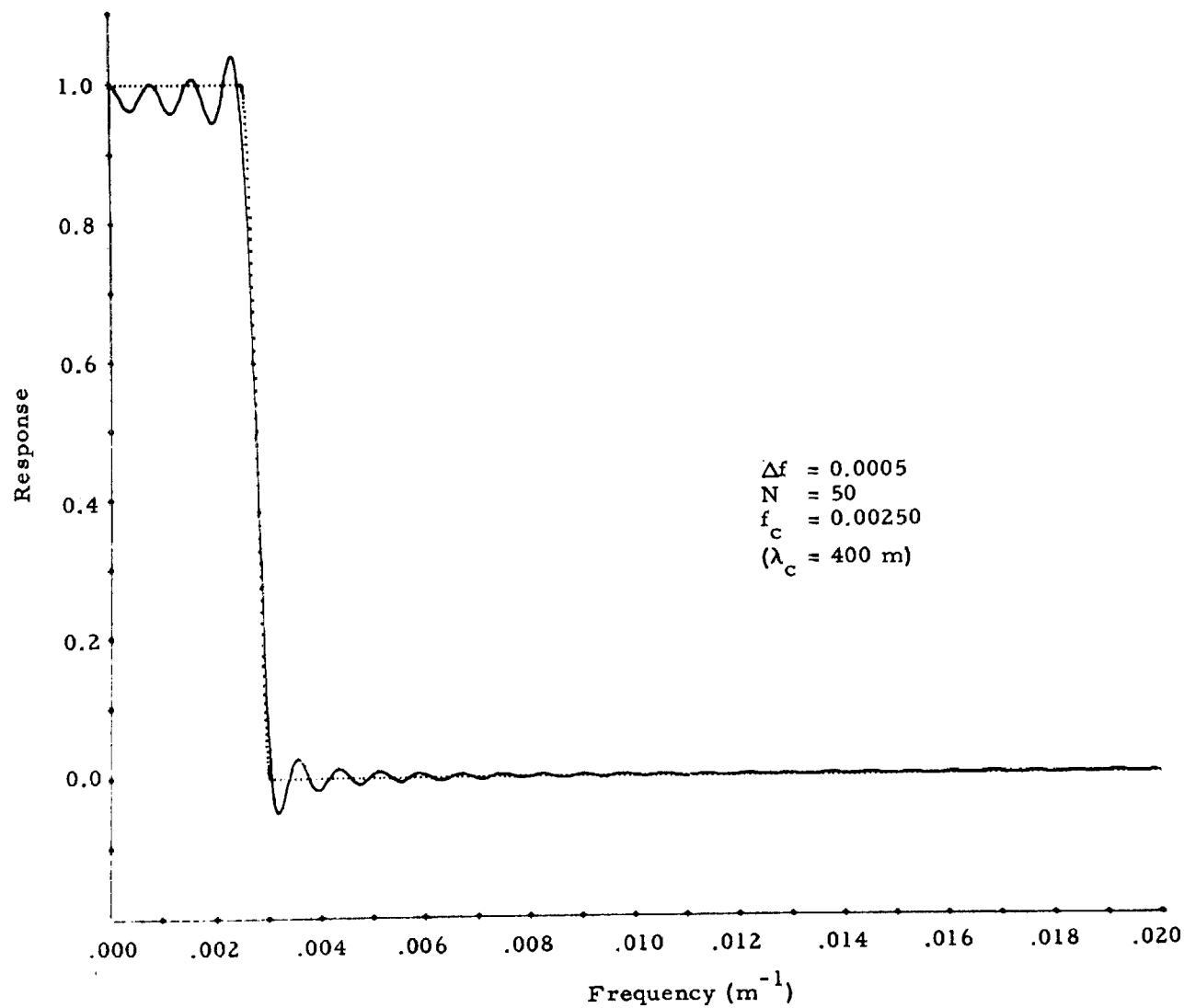

Fig. 3e- Effect of Shifting the Rolloff Interval

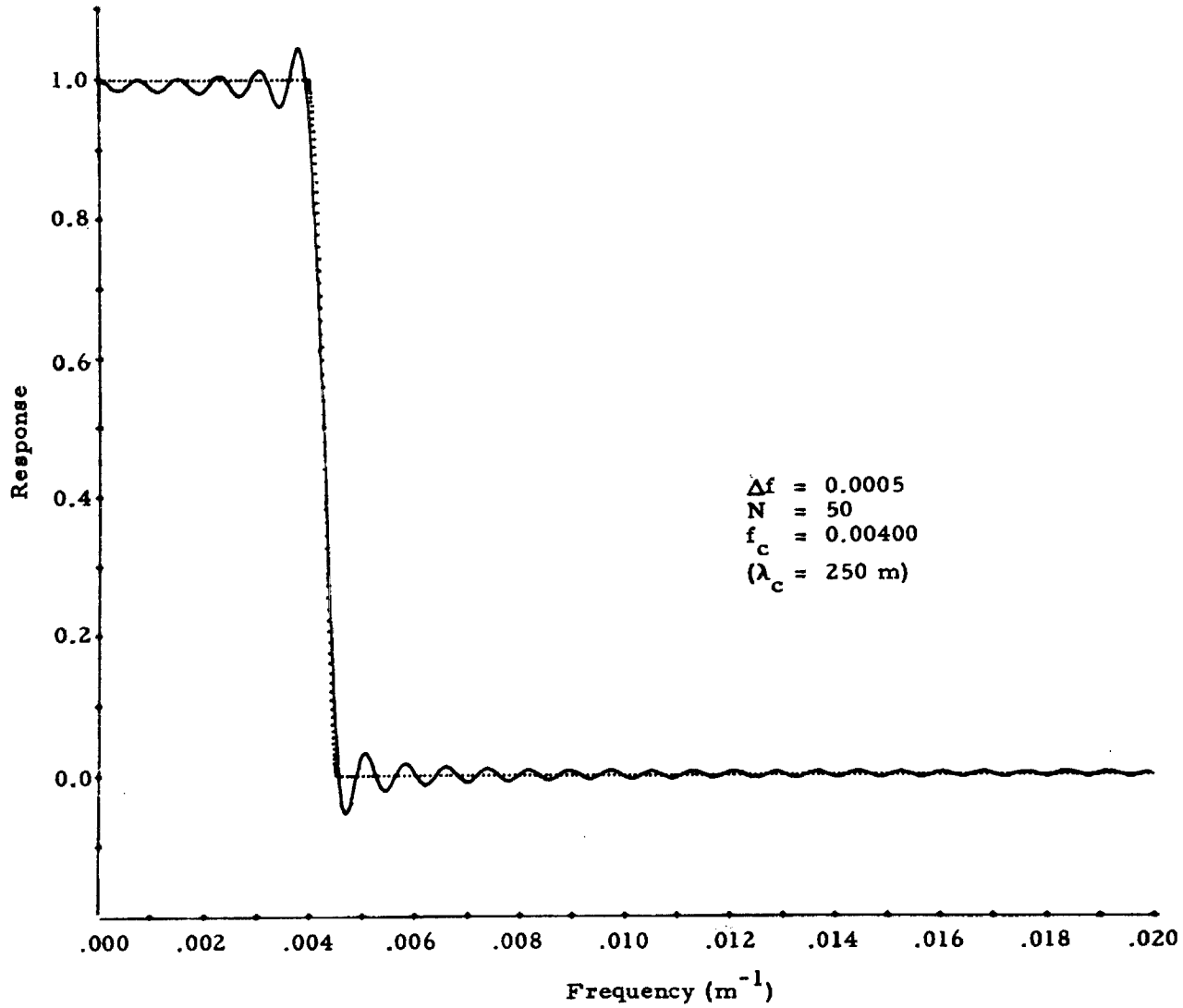

Fig. 3f - Effect of Shifting the Rolloff Interval

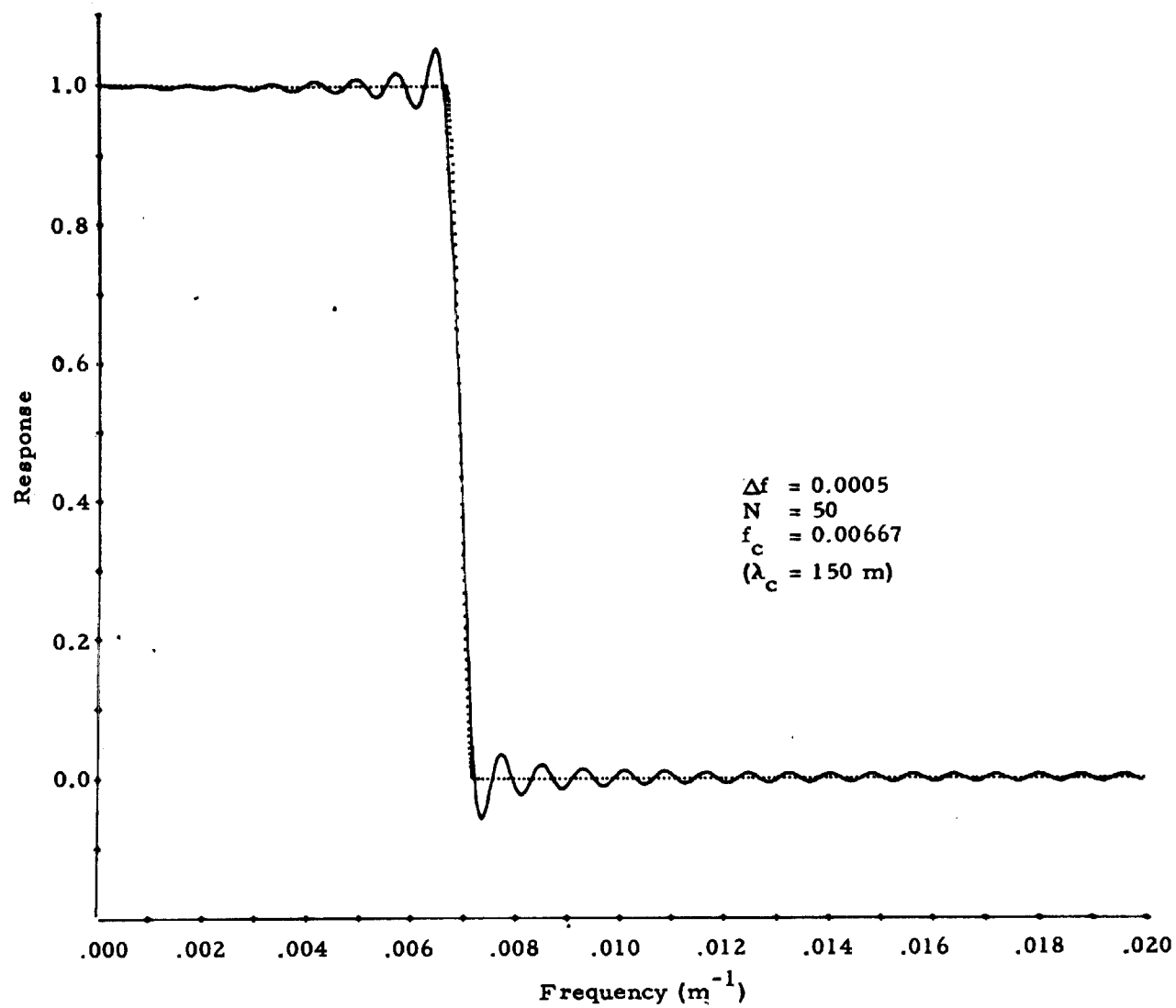

Fig. 3g - Effect of Shifting the Rolloff Interval

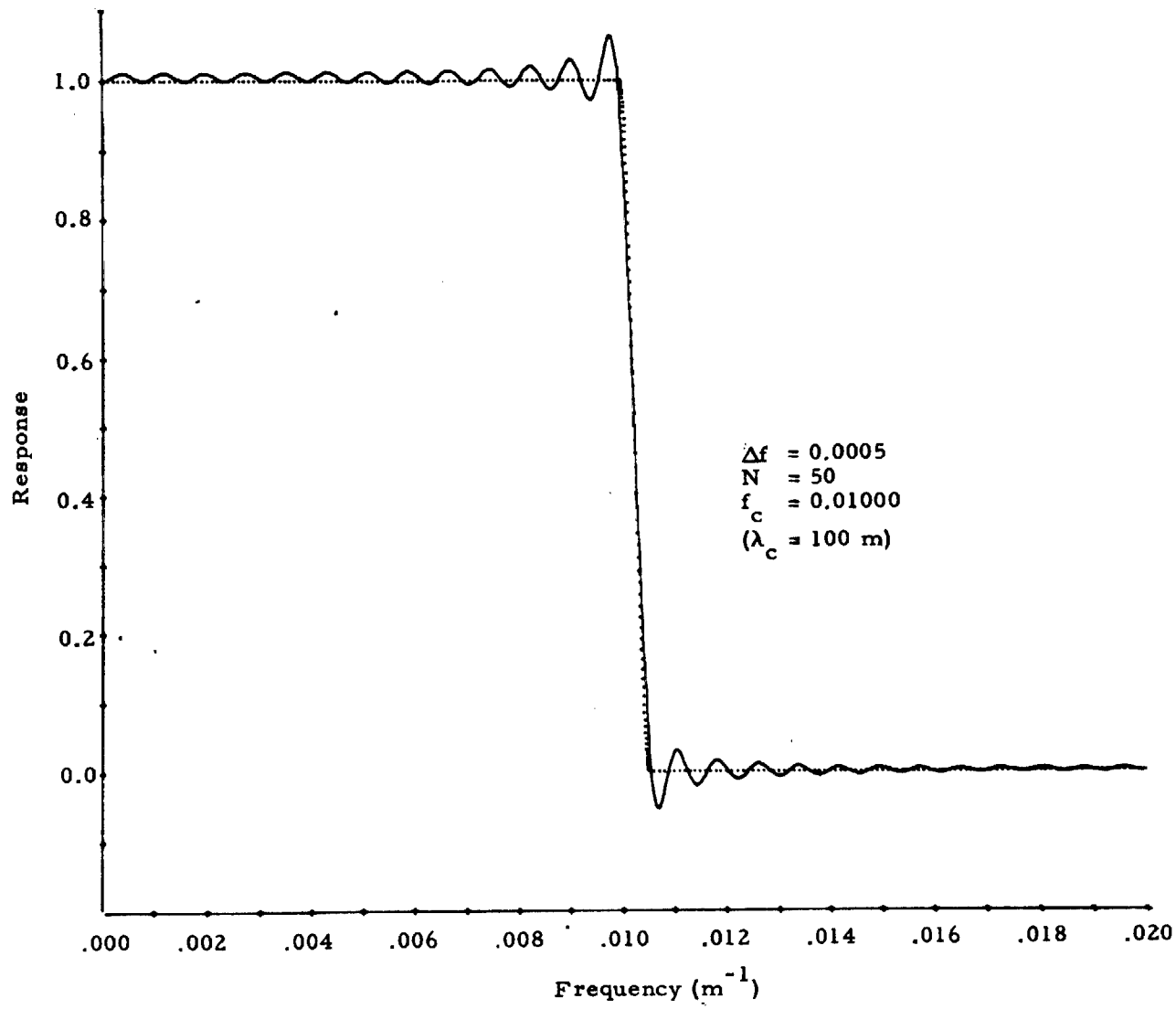

Fig. 3h - Effect of Shifting the Rolloff Interval

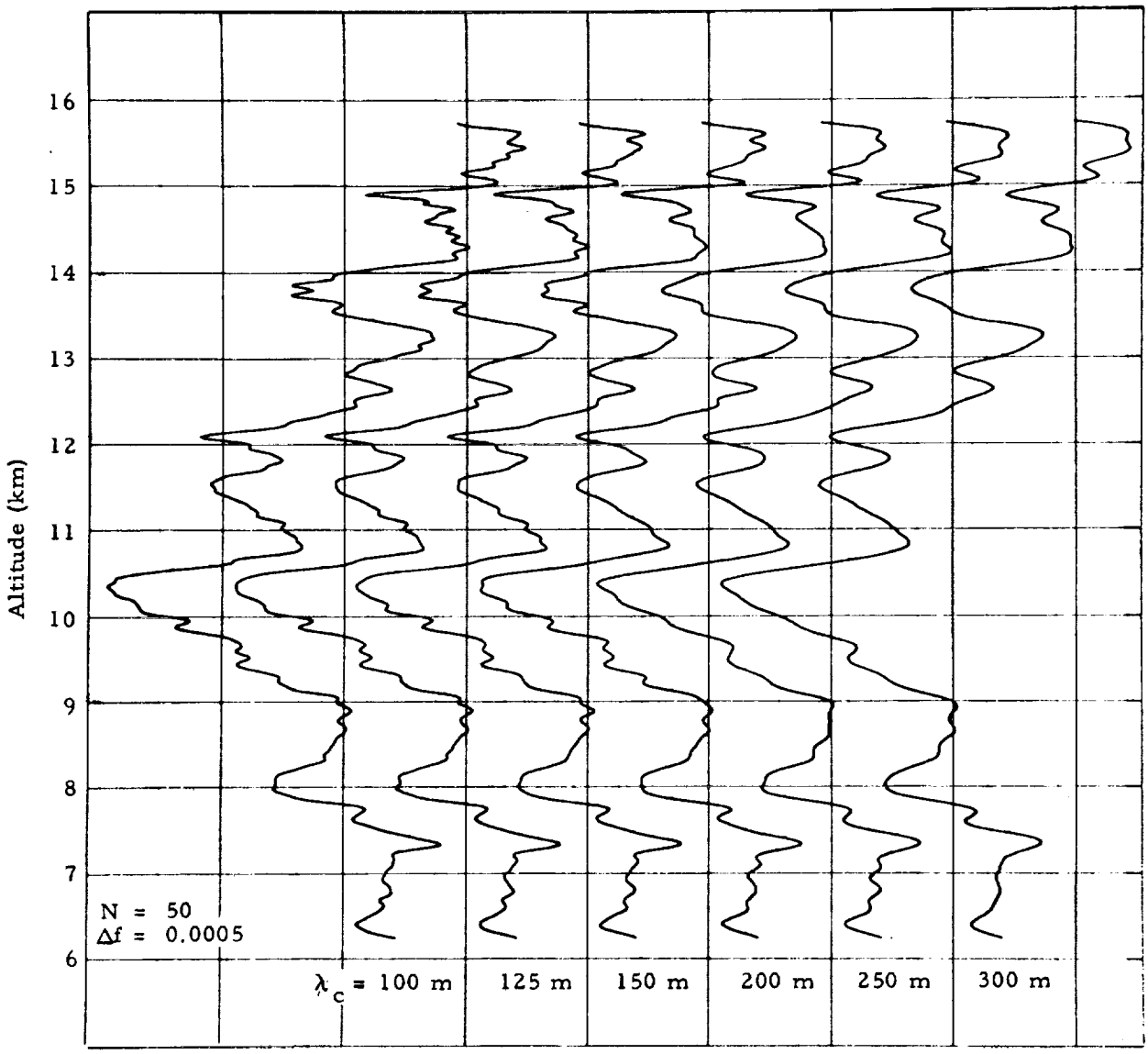

Fig. 4a - Effect of Shifting the Rolloff Interval – Filtered Meridional Component

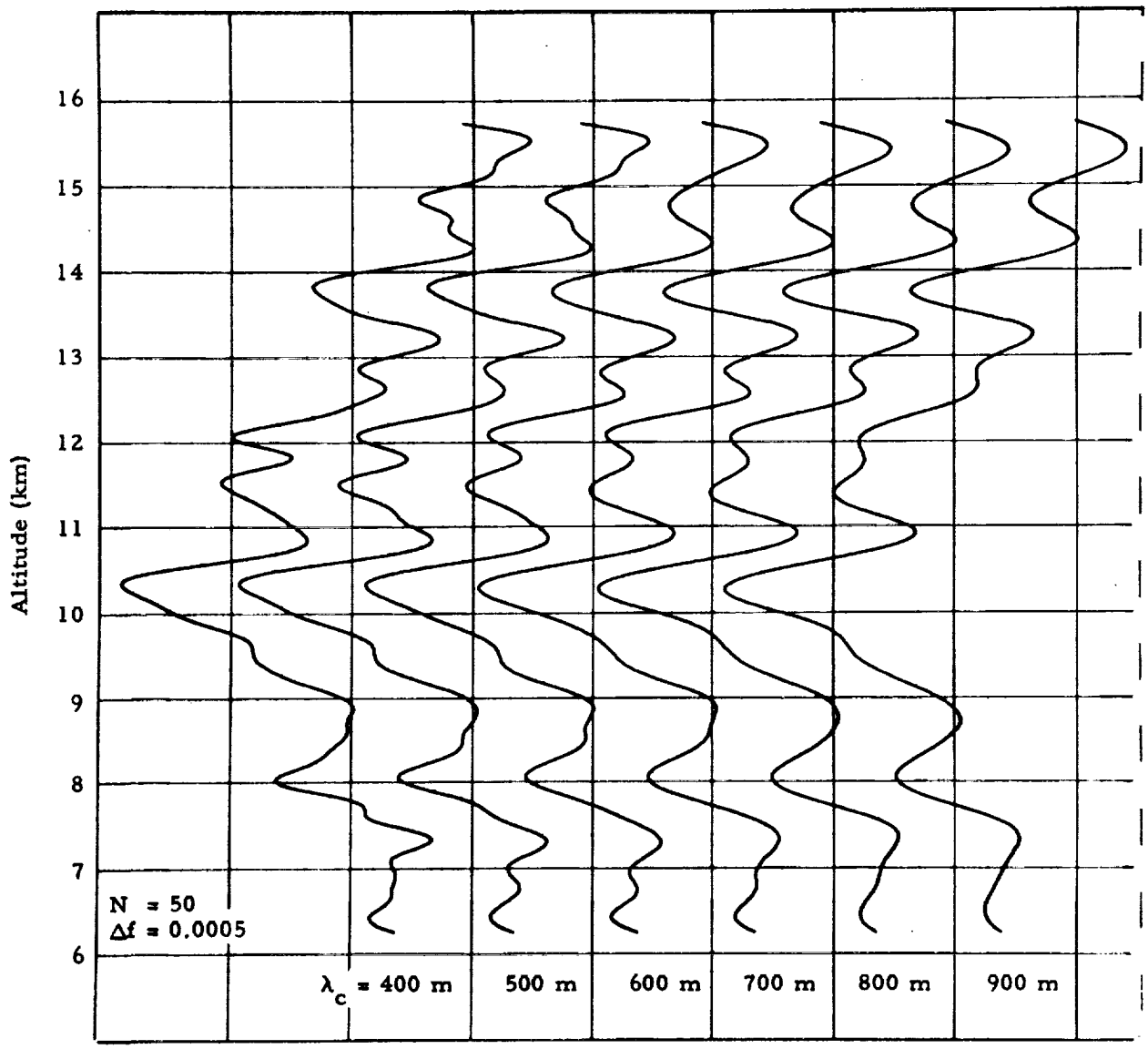

Fig. 4b - Effect of Shifting the Rolloff Interval – Filtered Meridional Component

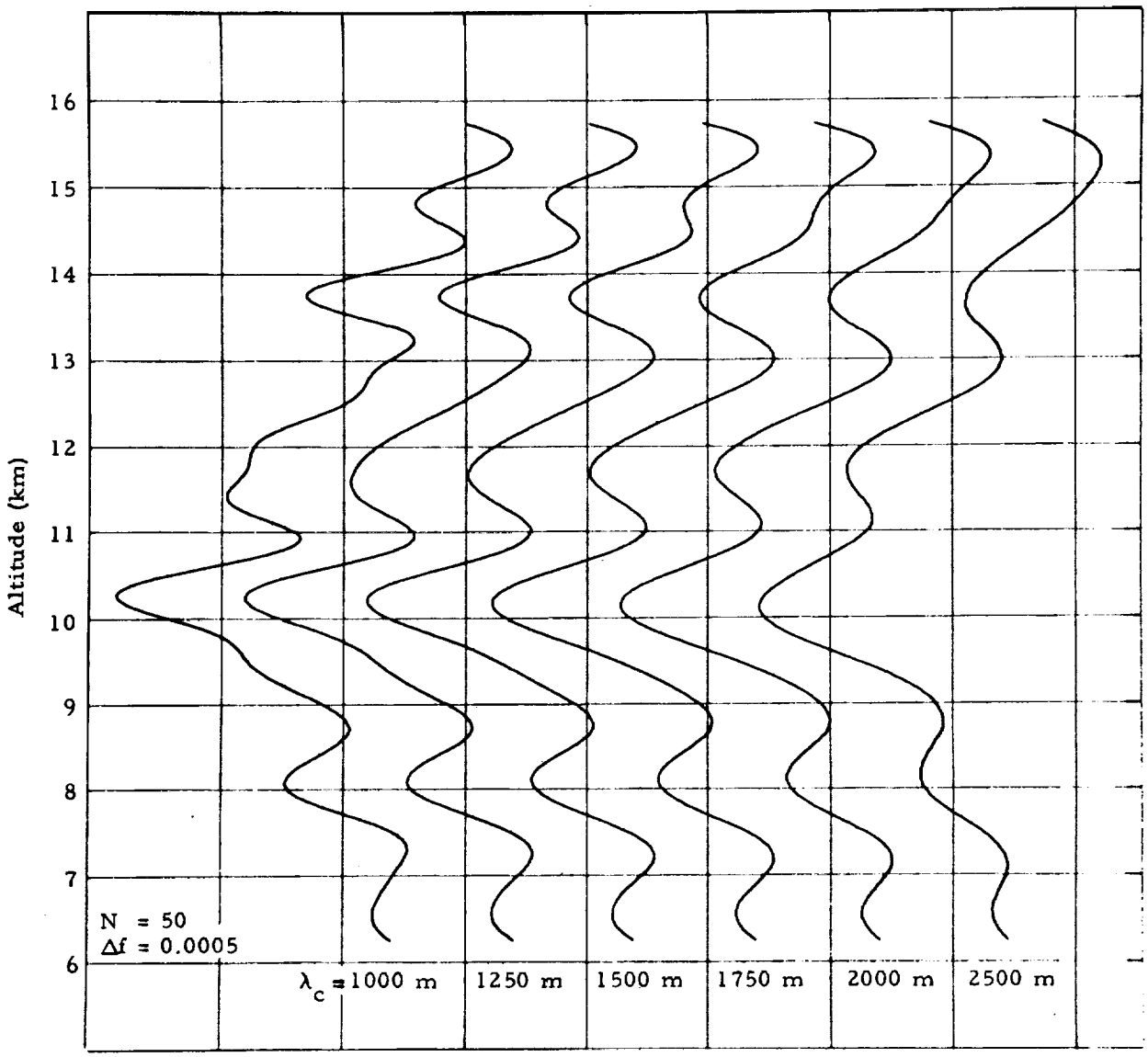

Fig. 4c - Effect of Shifting the Rolloff Interval — Filtered Meridional Component

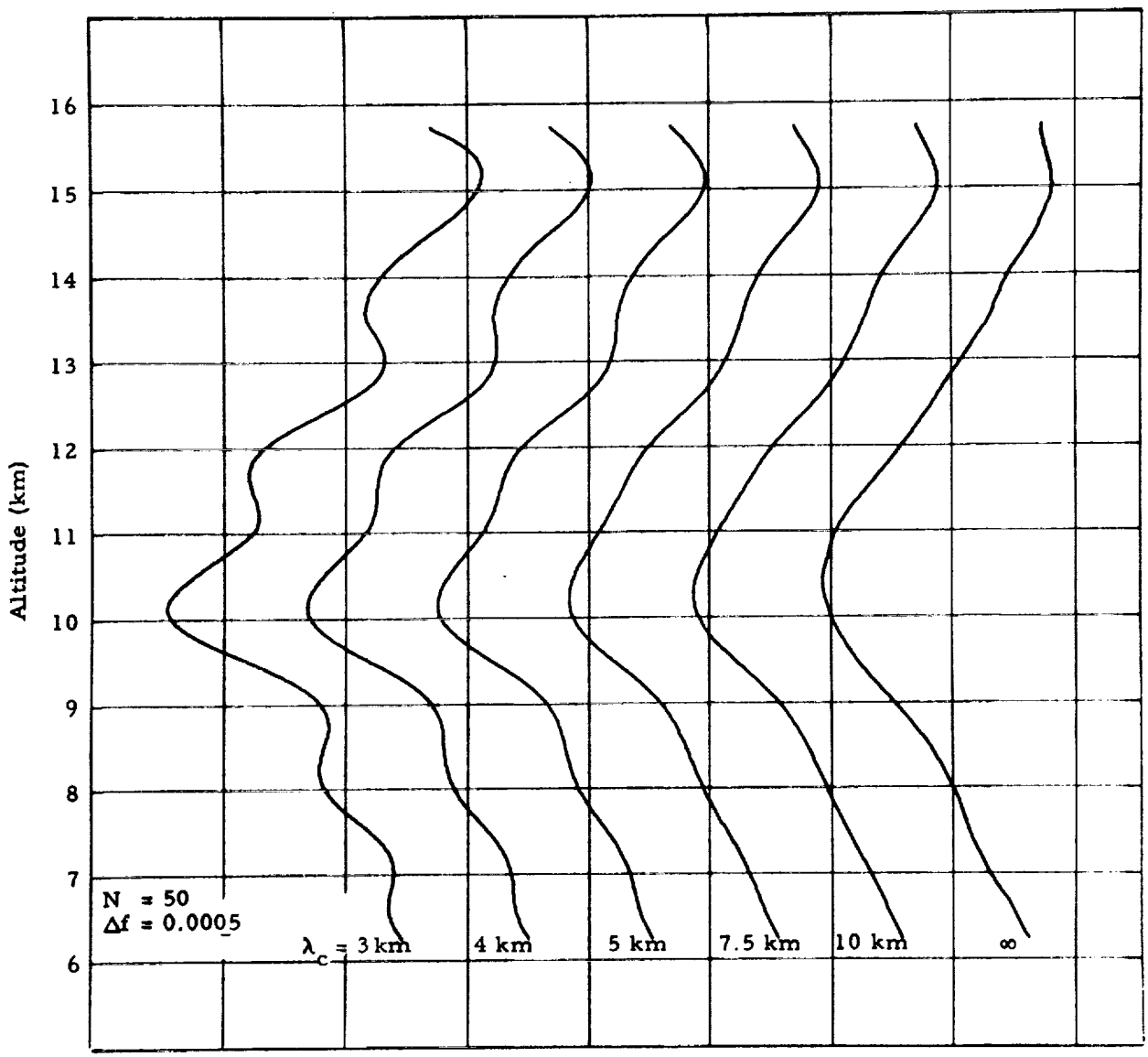

Fig. 4d - Effect of Shifting the Rolloff Interval – Filtered Meridional Component

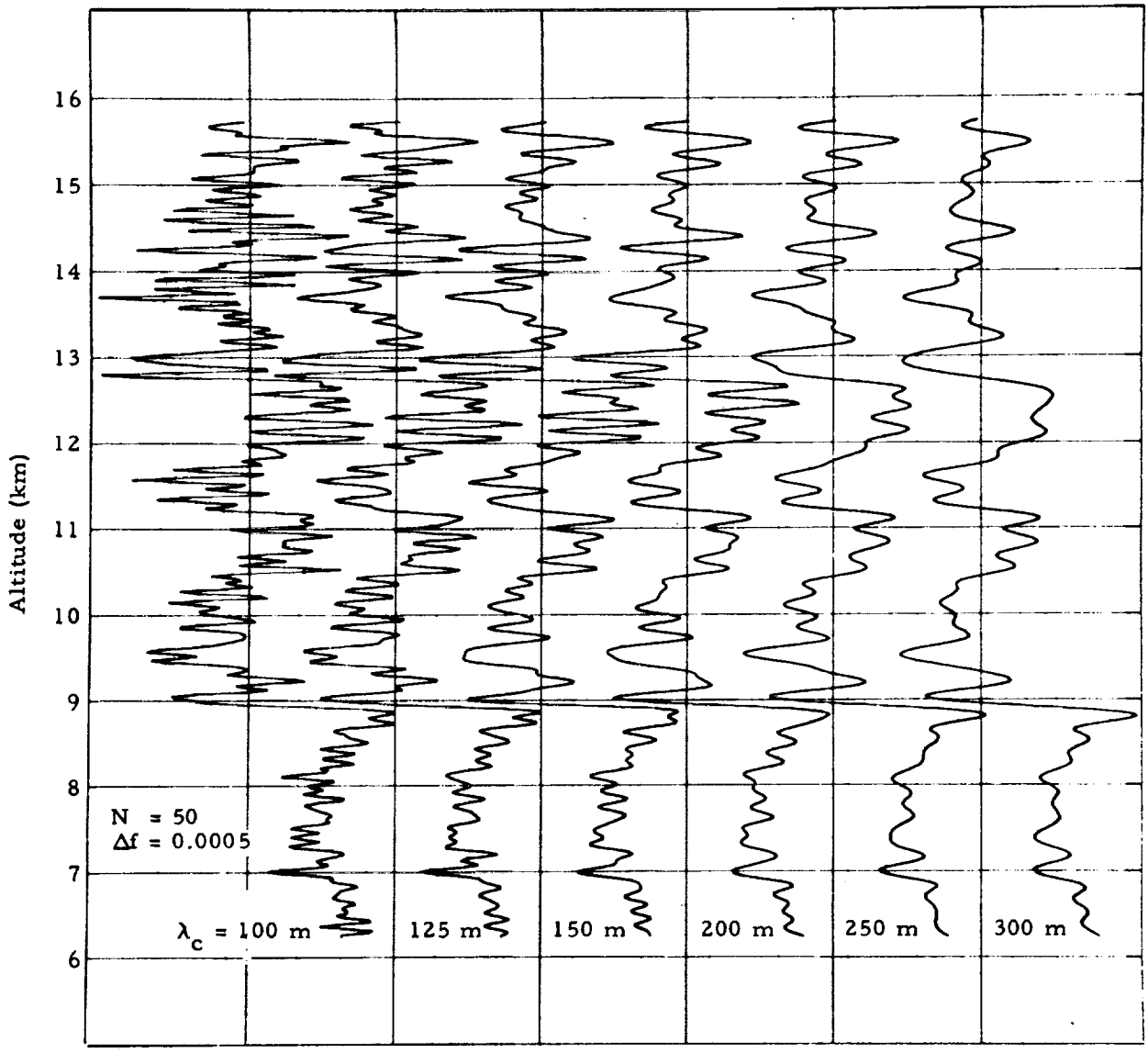

Fig. 5a - Effect of Shifting the Rolloff Interval – Filtered Ascent Rate

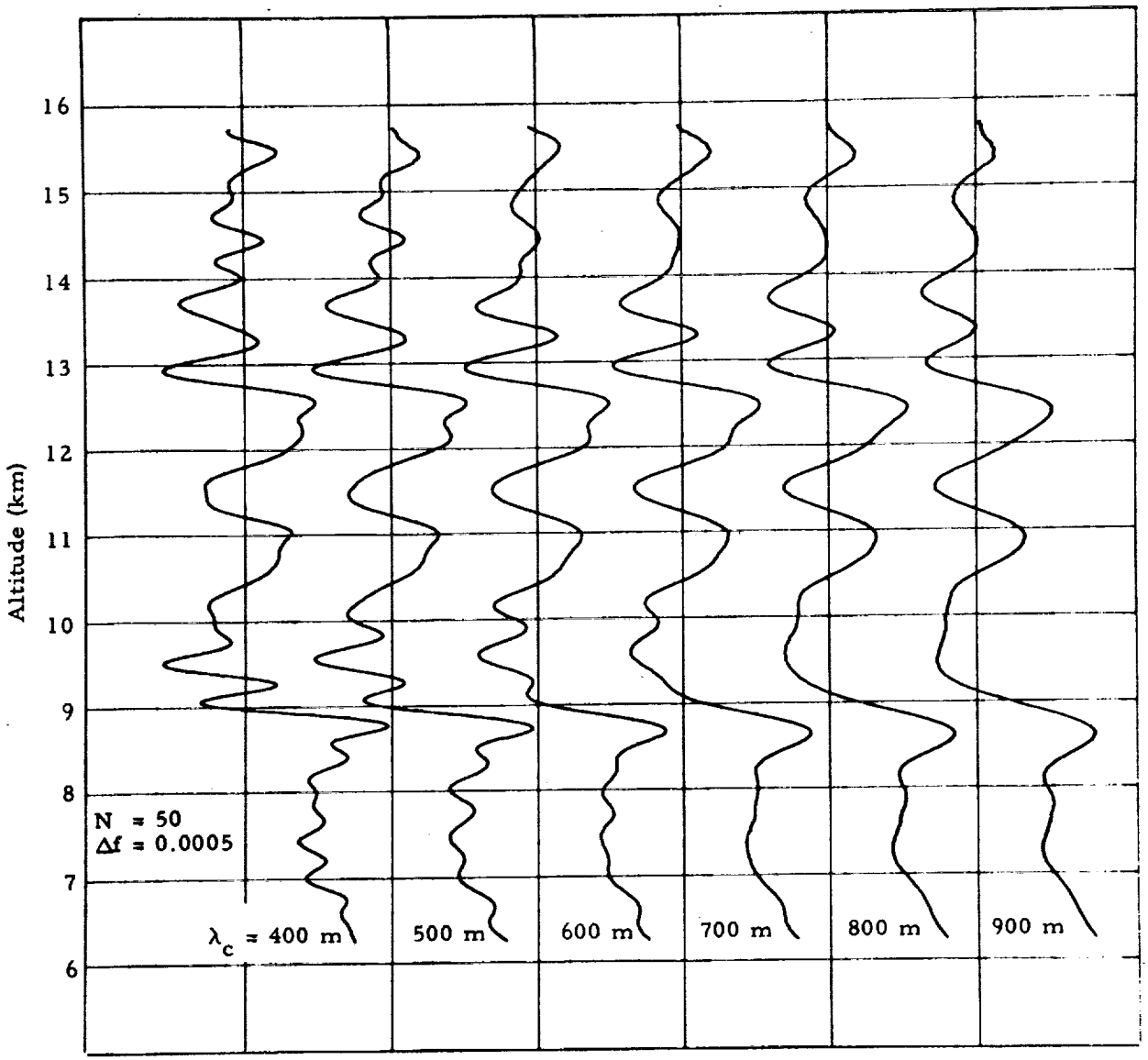

Fig. 5b - Effect of Shifting the Rolloff Interval – Filtered Ascent Rate

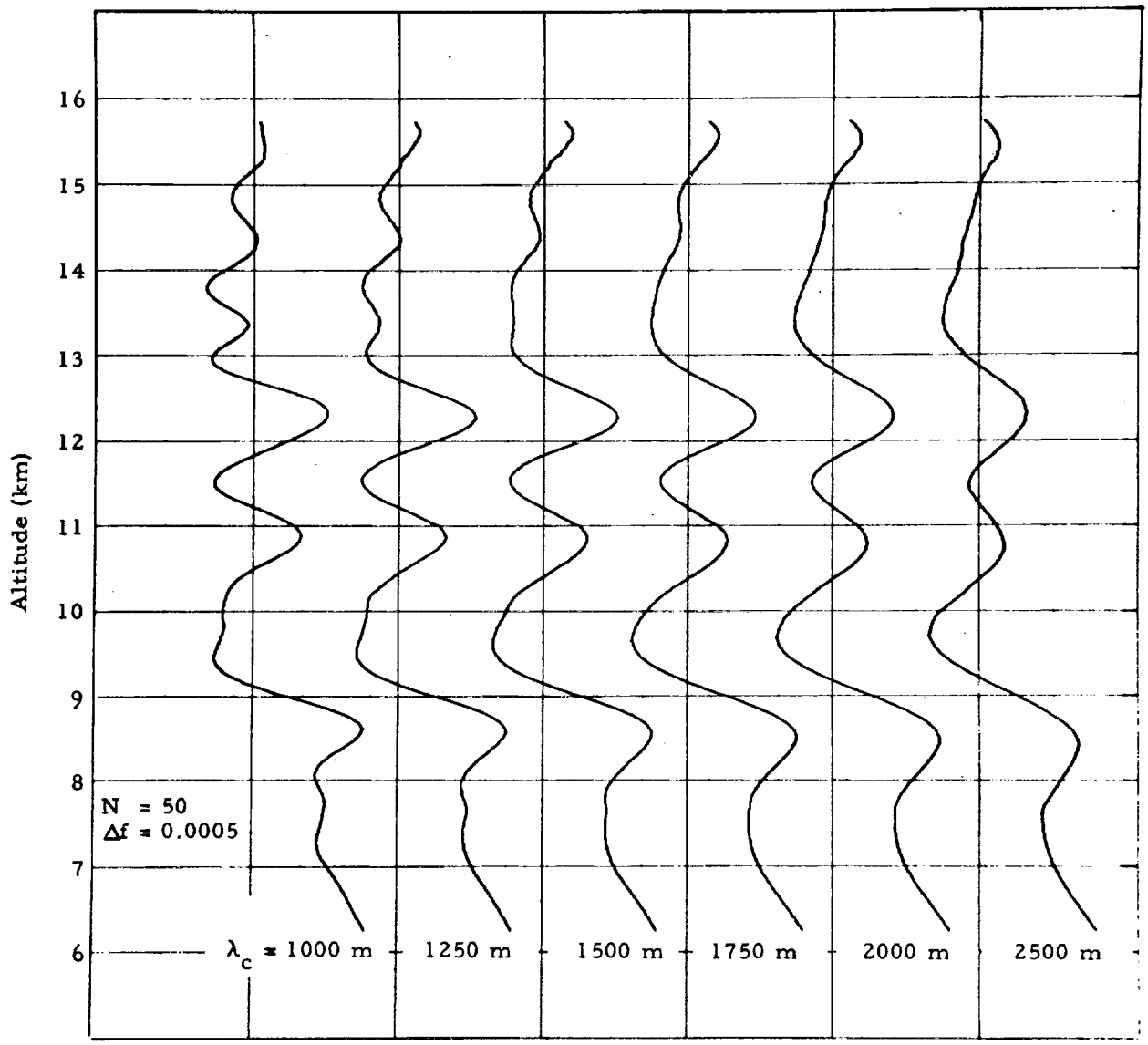

Fig. 5c - Effect of Shifting the Roffoff Interval — Filtered Ascent Rate

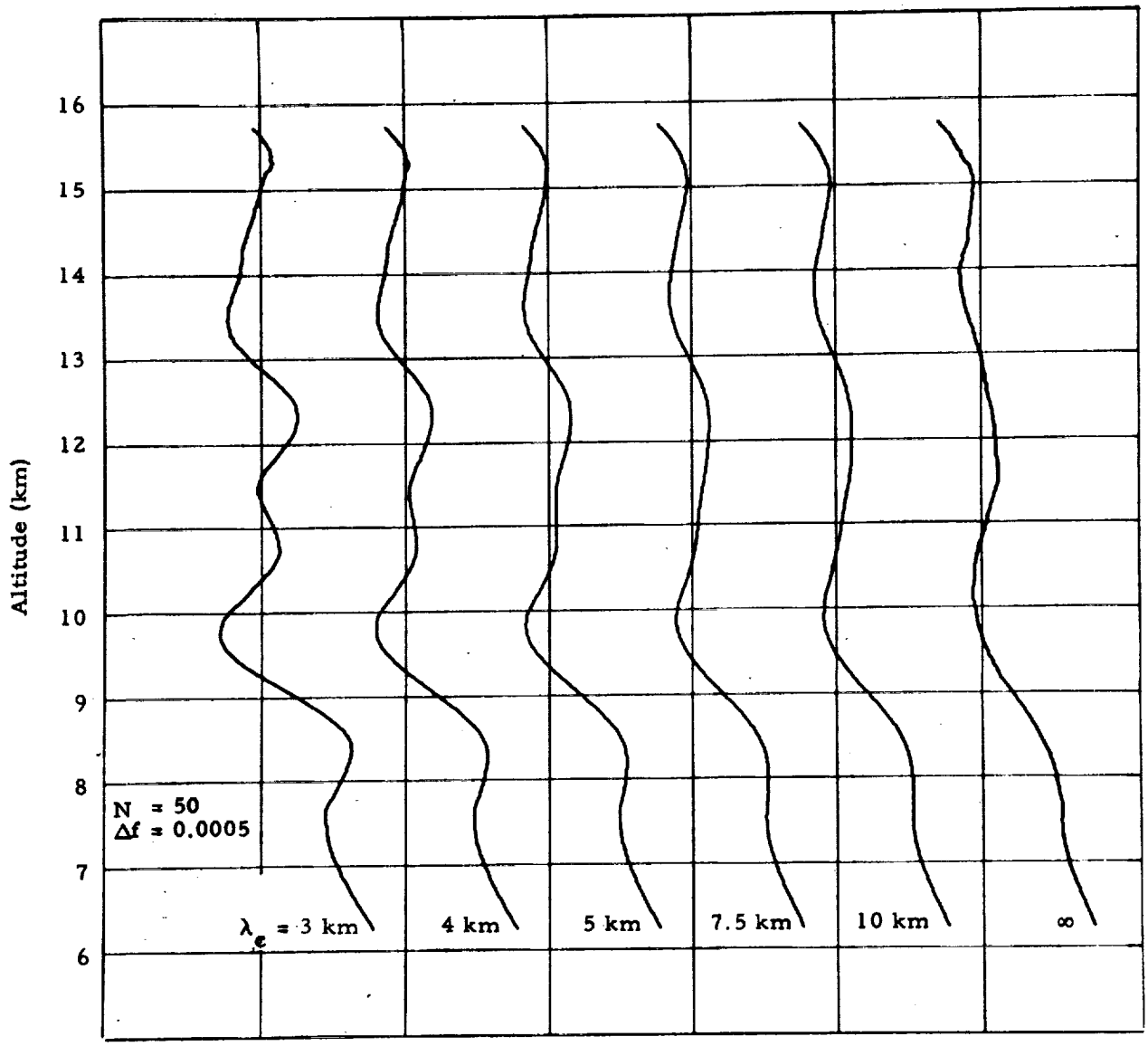

Fig. 5d - Effect of Shifting the Rolloff Interval — Filtered Ascent Rate

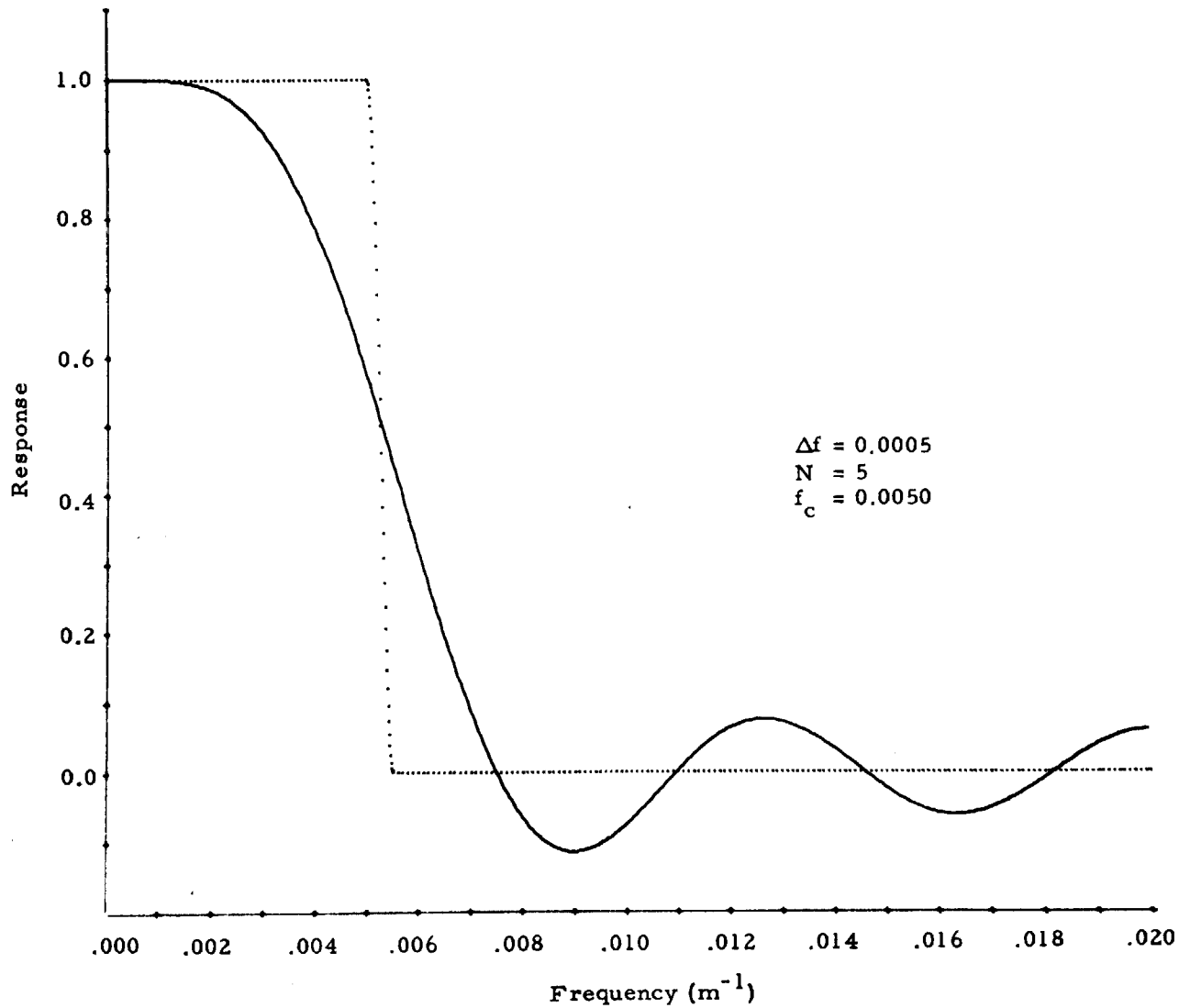

Fig. 6a - Effect of Varying the Number of Weights

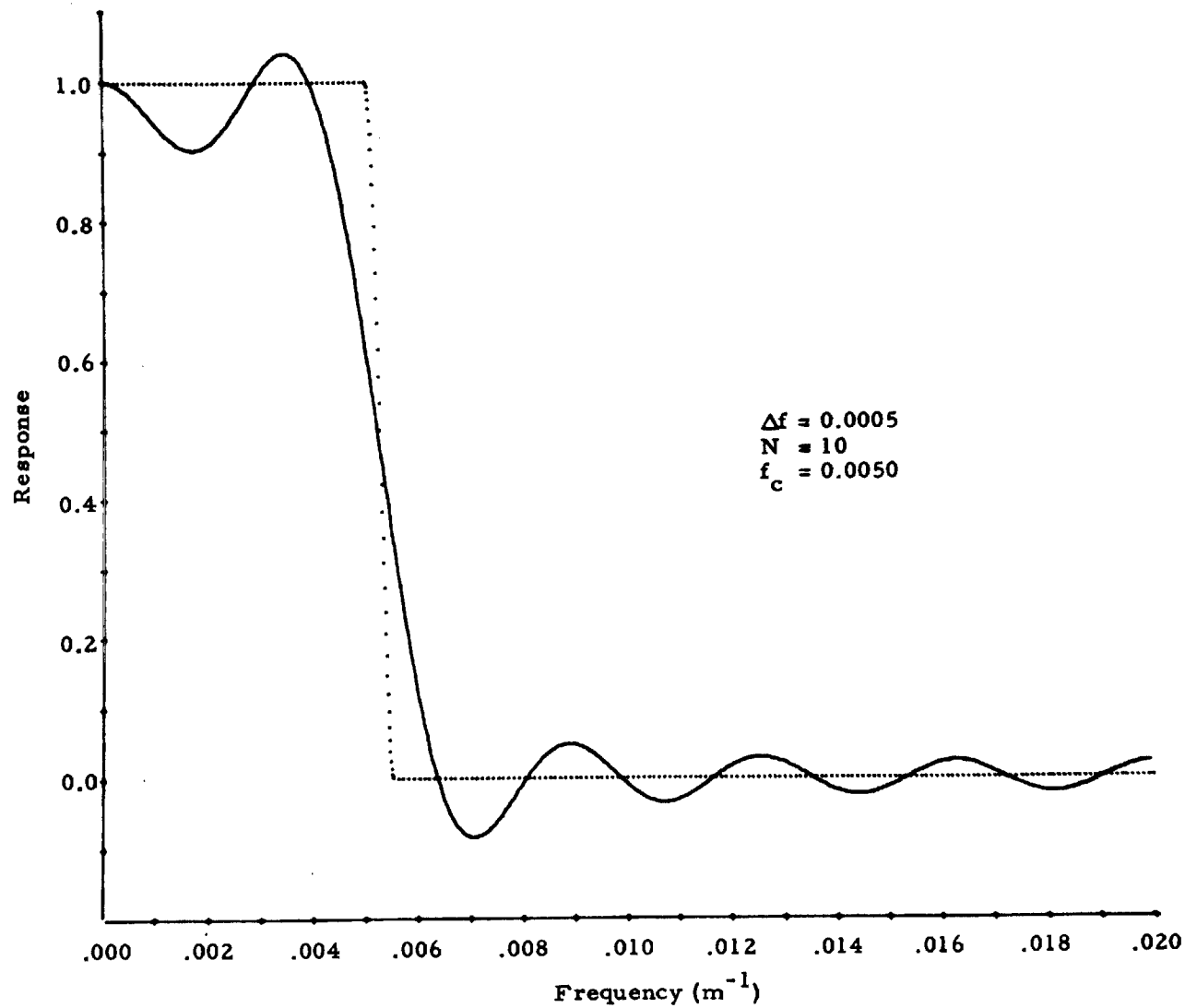

Fig. 6b - Effect of Varying the Number of Weights

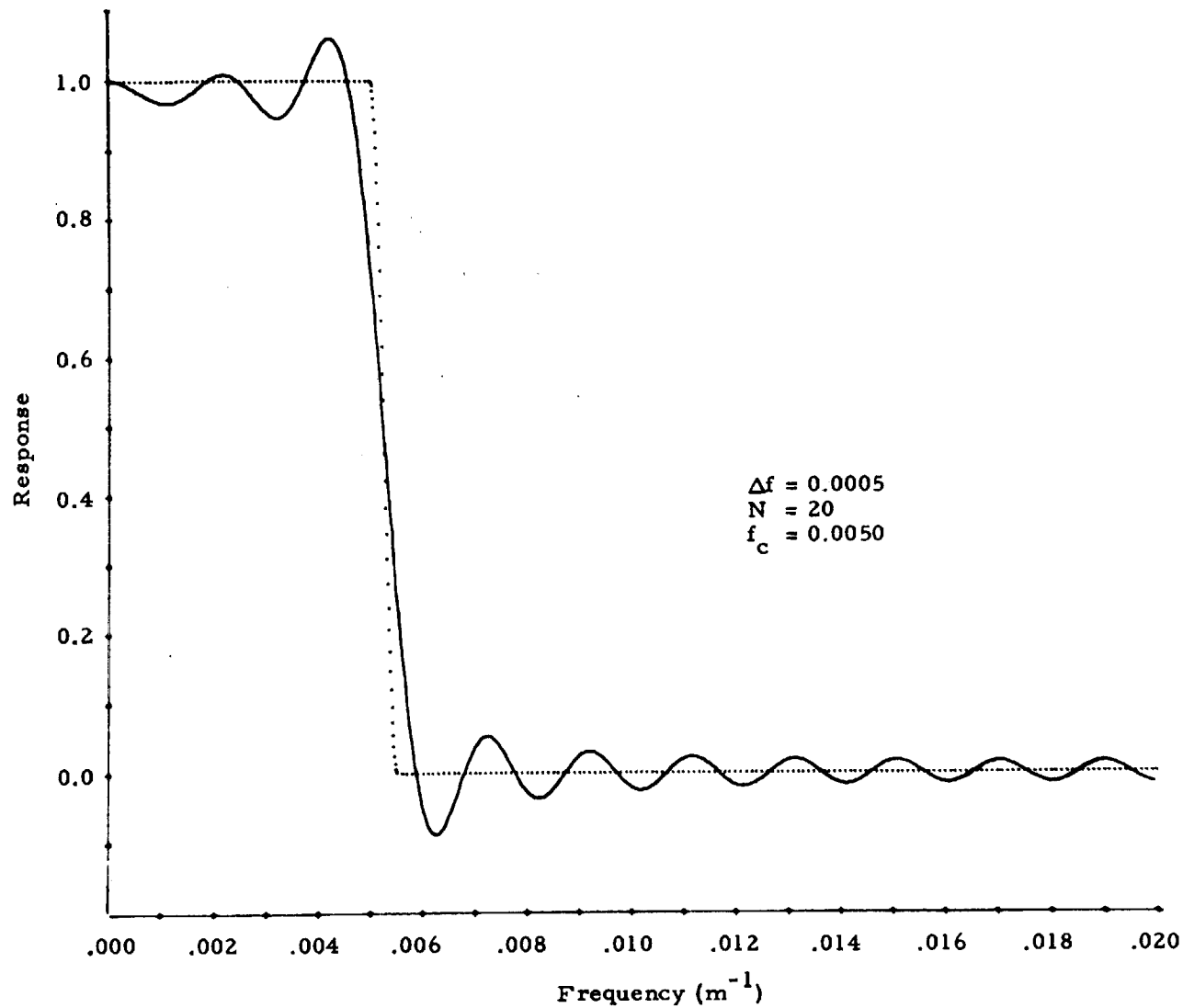

Fig. 6c - Effect of Varying the Number of Weights

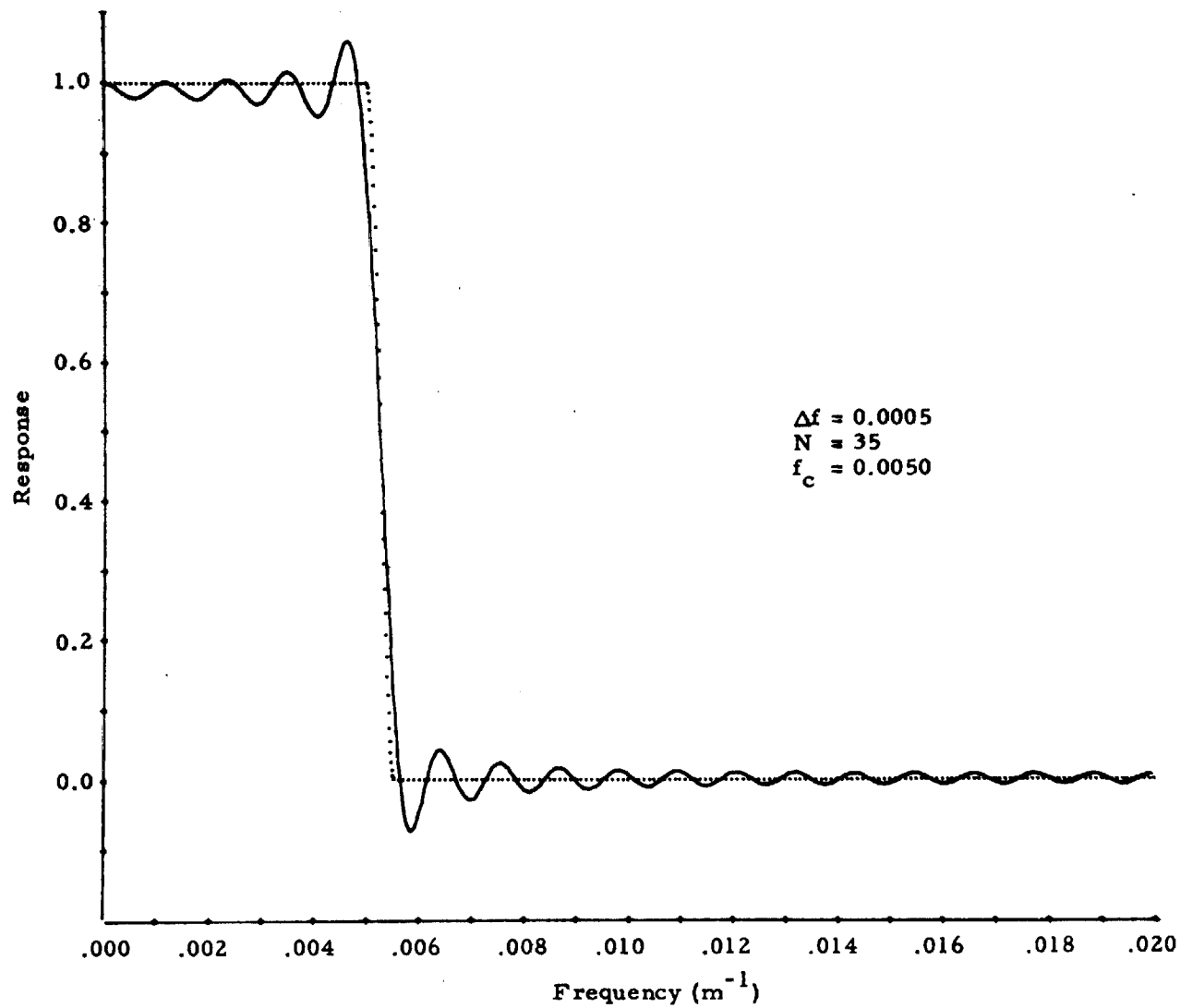

Fig. 6d - Effect of Varying the Number of Weights

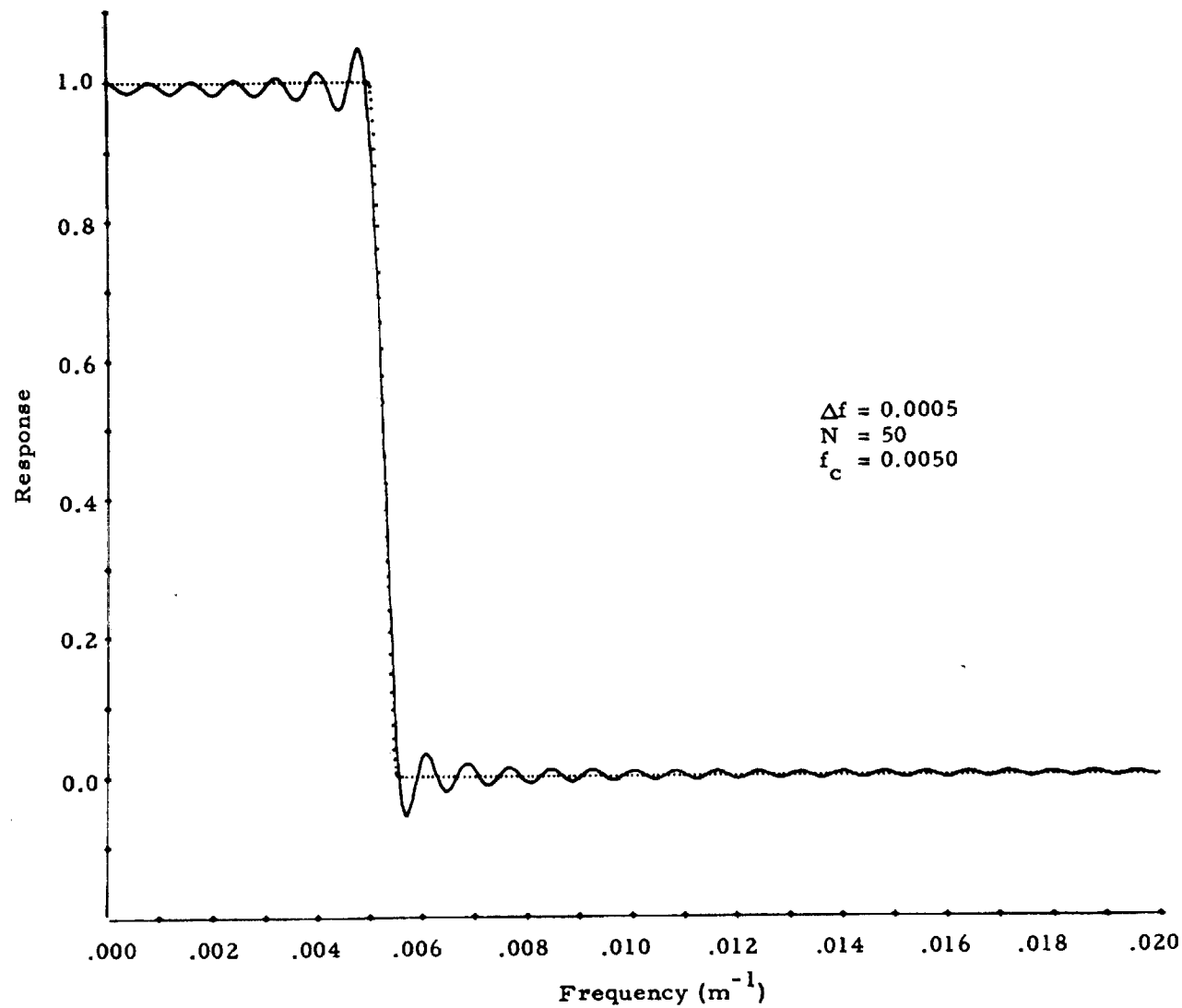

Fig. 6e - Effect of Varying the Number of Weights

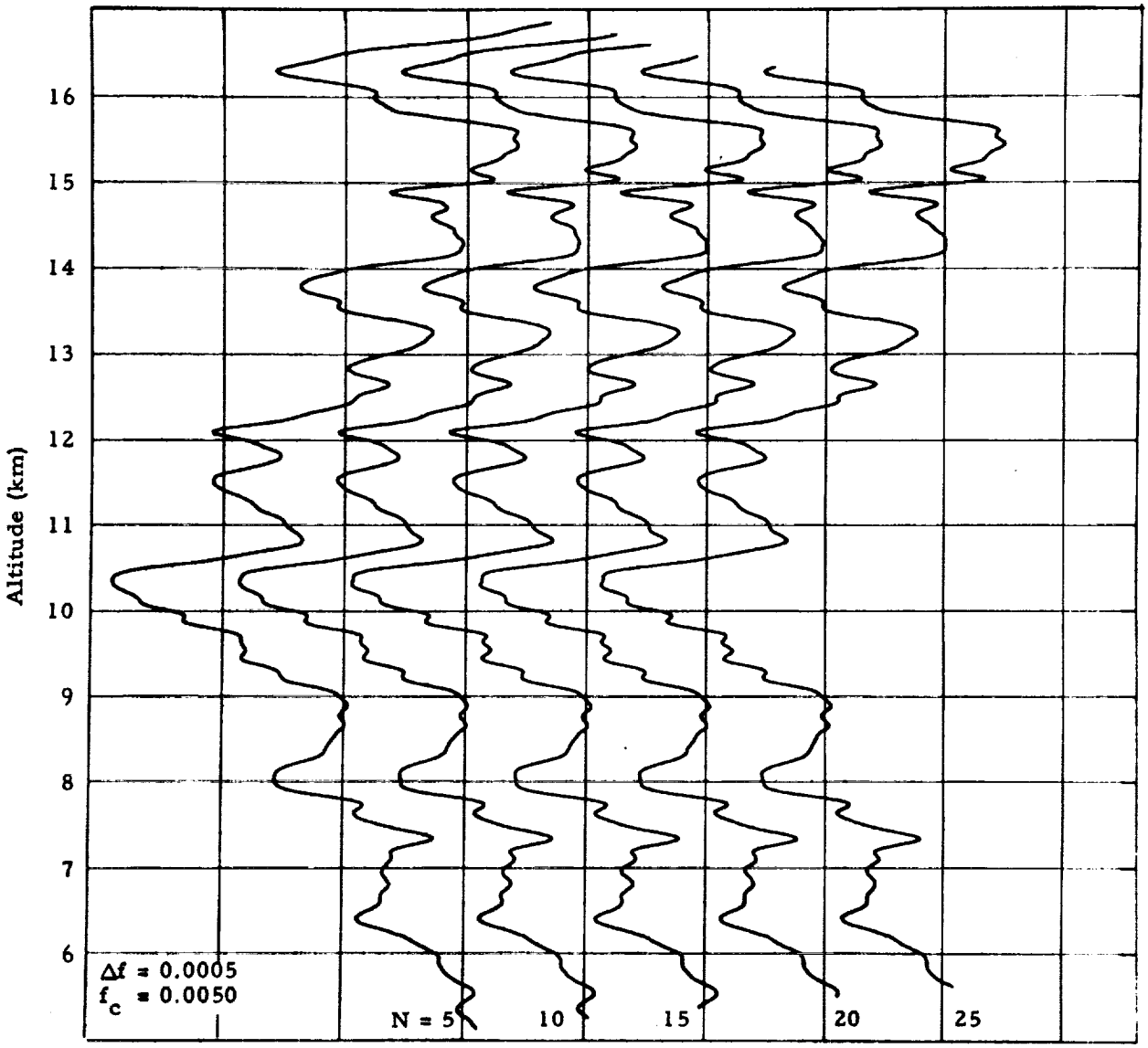

Fig. 7a - Effect of Varying the Number of Weights – Filtered Meridional Component

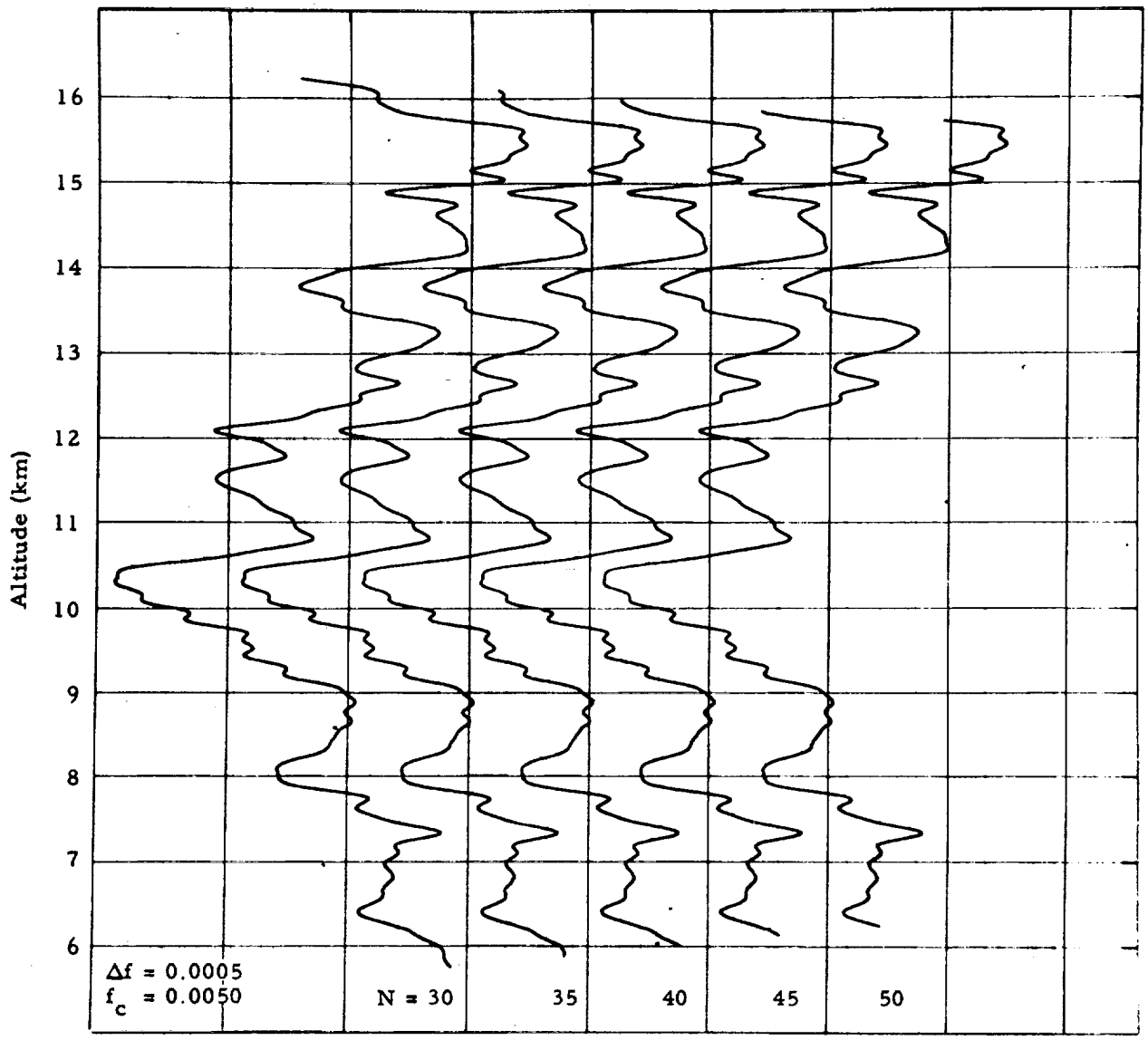

Fig. 7b - Effect of Varying the Number of Weights — Filtered Meridional Component

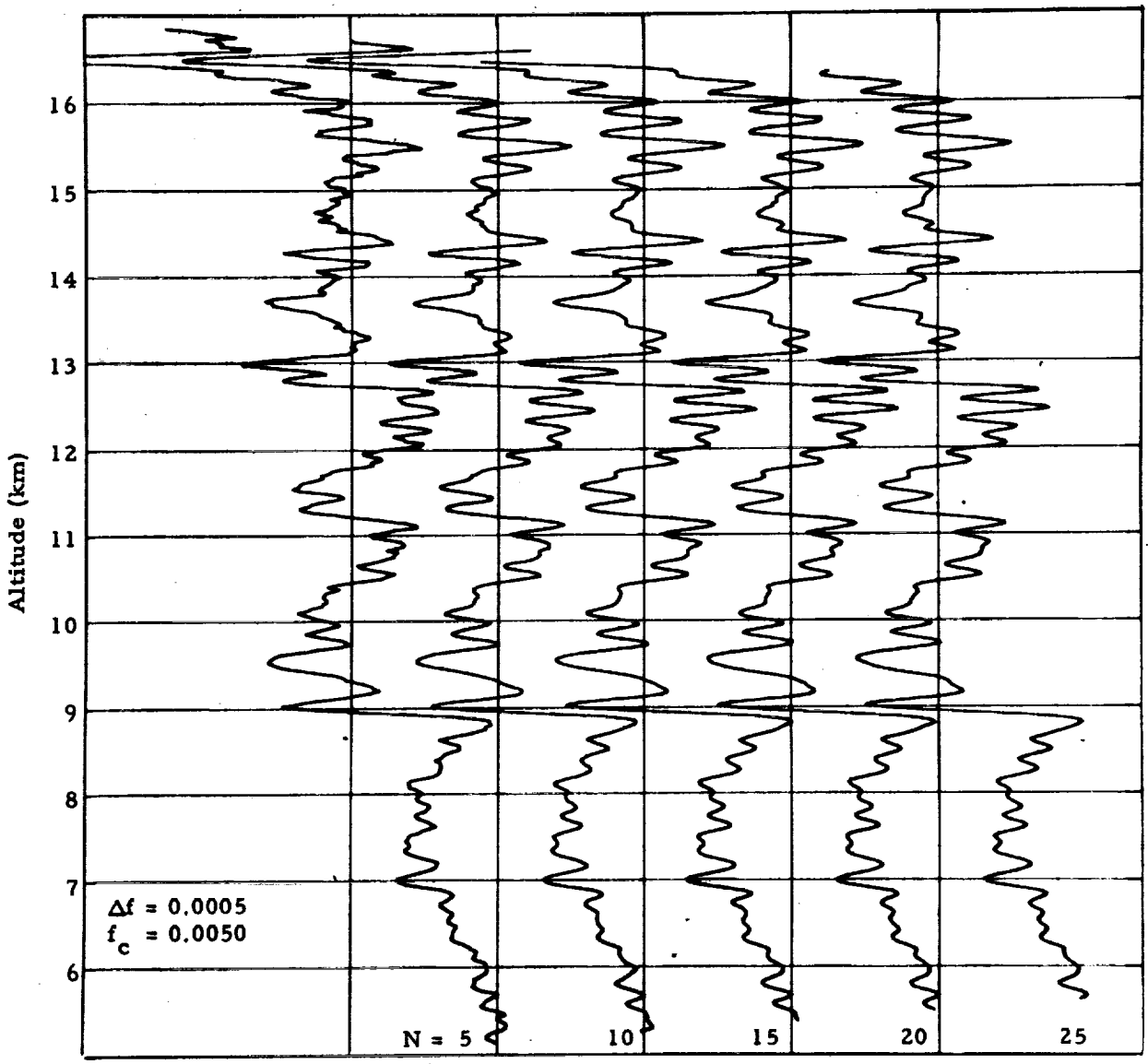

Fig. 8a - Effect of Varying the Number of Weights — Filtered Ascent Rate

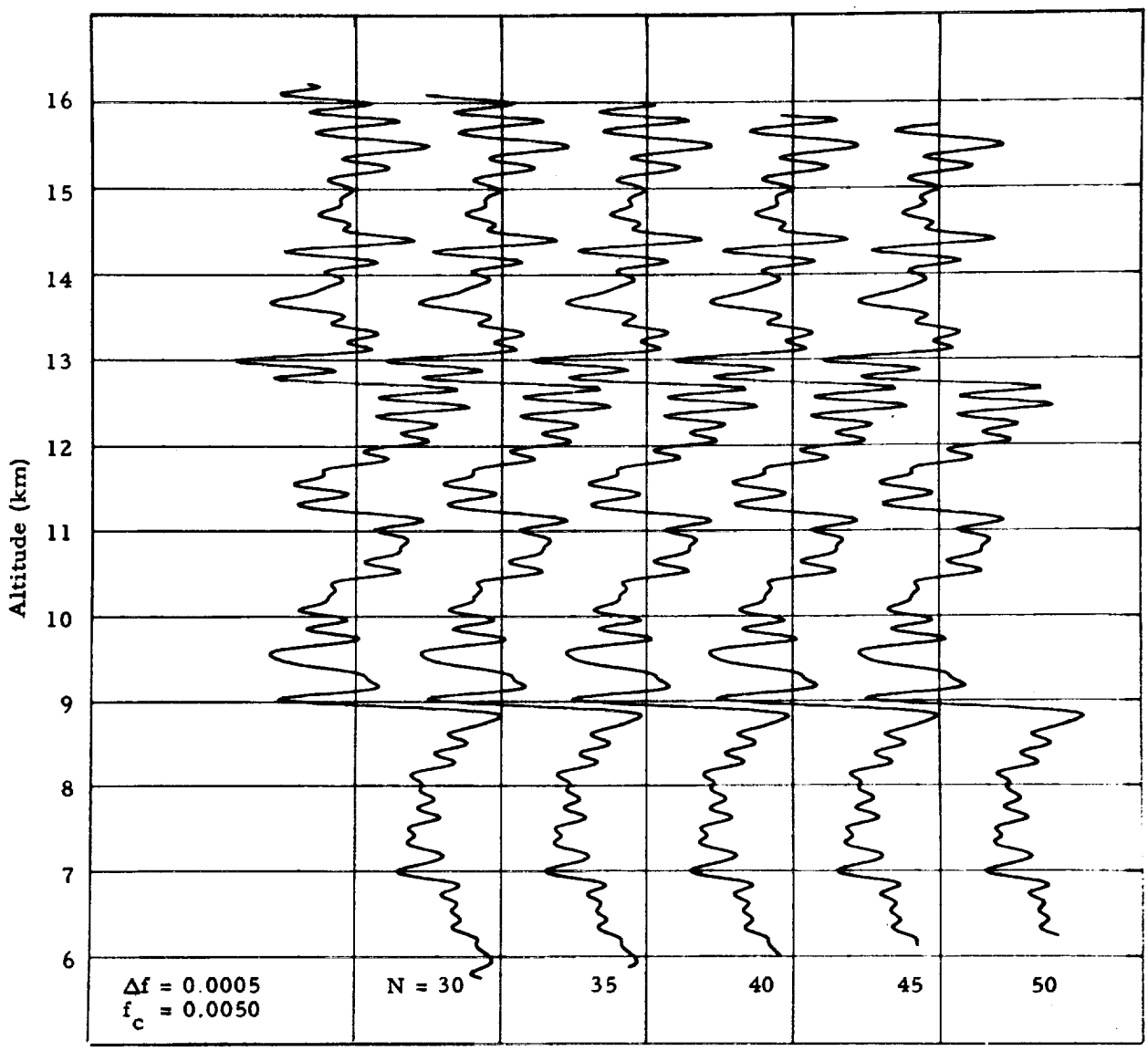

Fig. 8b - Effect of Varying the Number of Weights – Filtered Ascent Rate

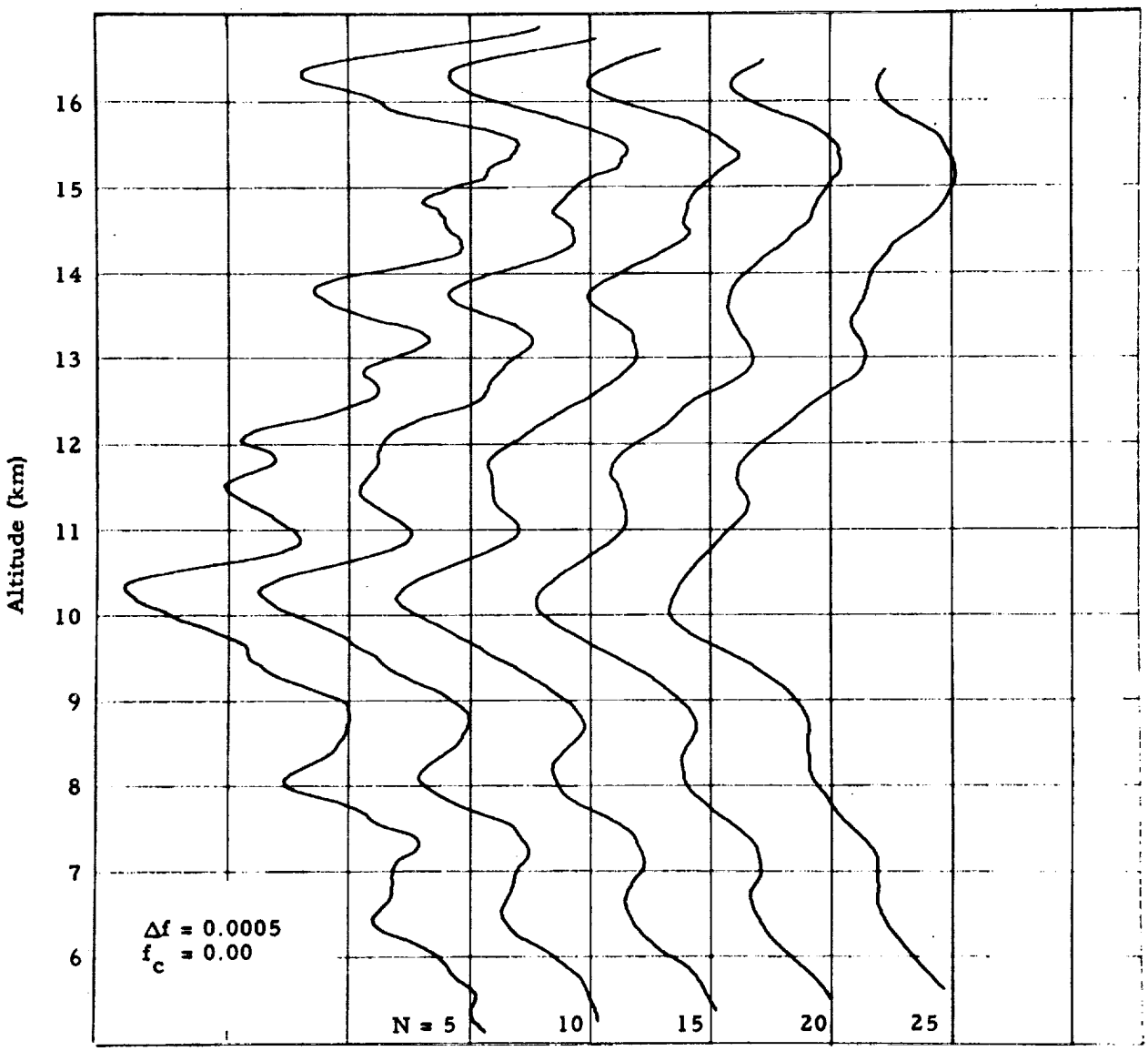

Fig. 9a - Effect of Varying the Number of Weights — Filtered Meridional Component

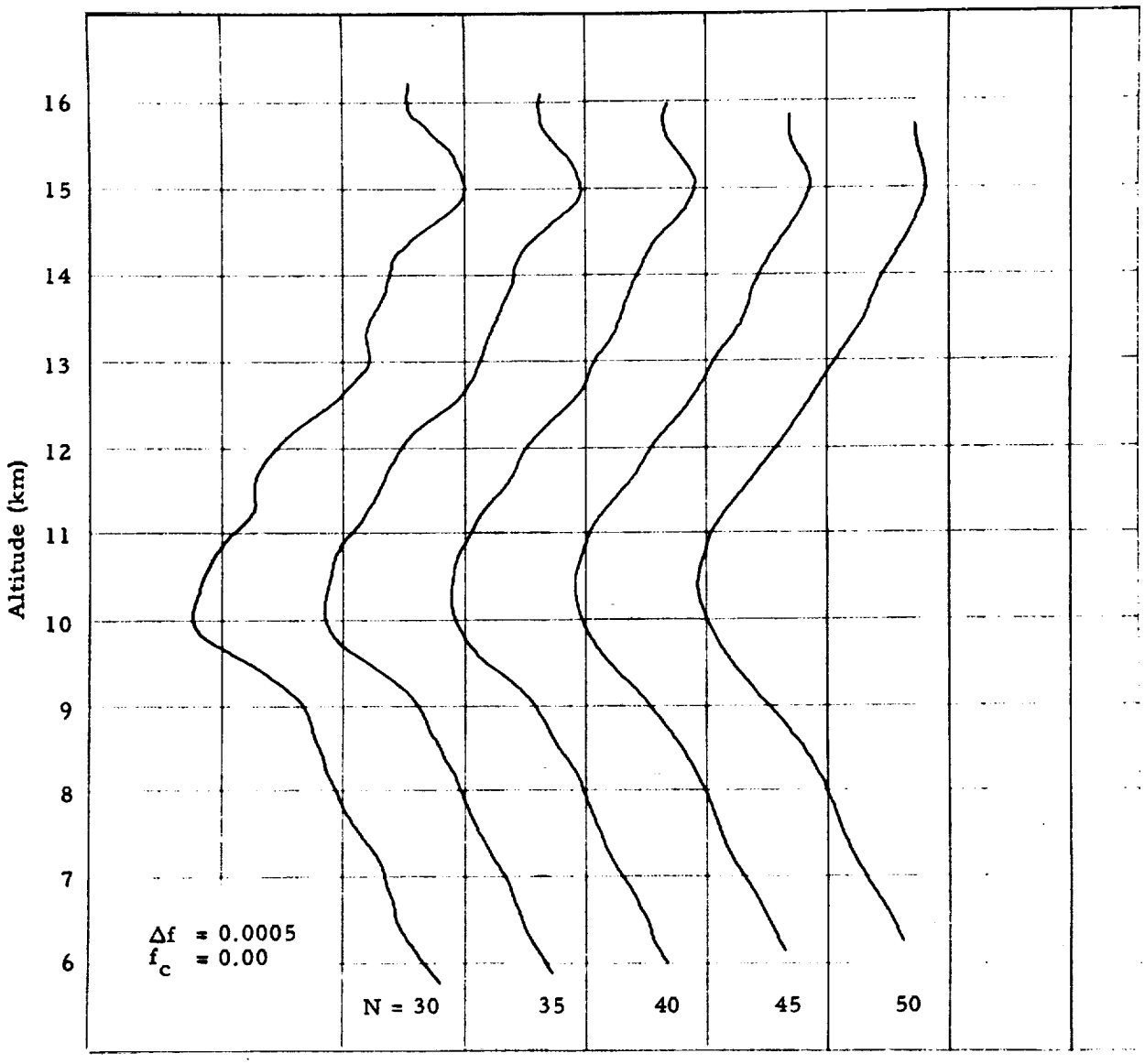

Fig. 9b - Effect of Varying the Number of Weights – Filtered Meridional Component

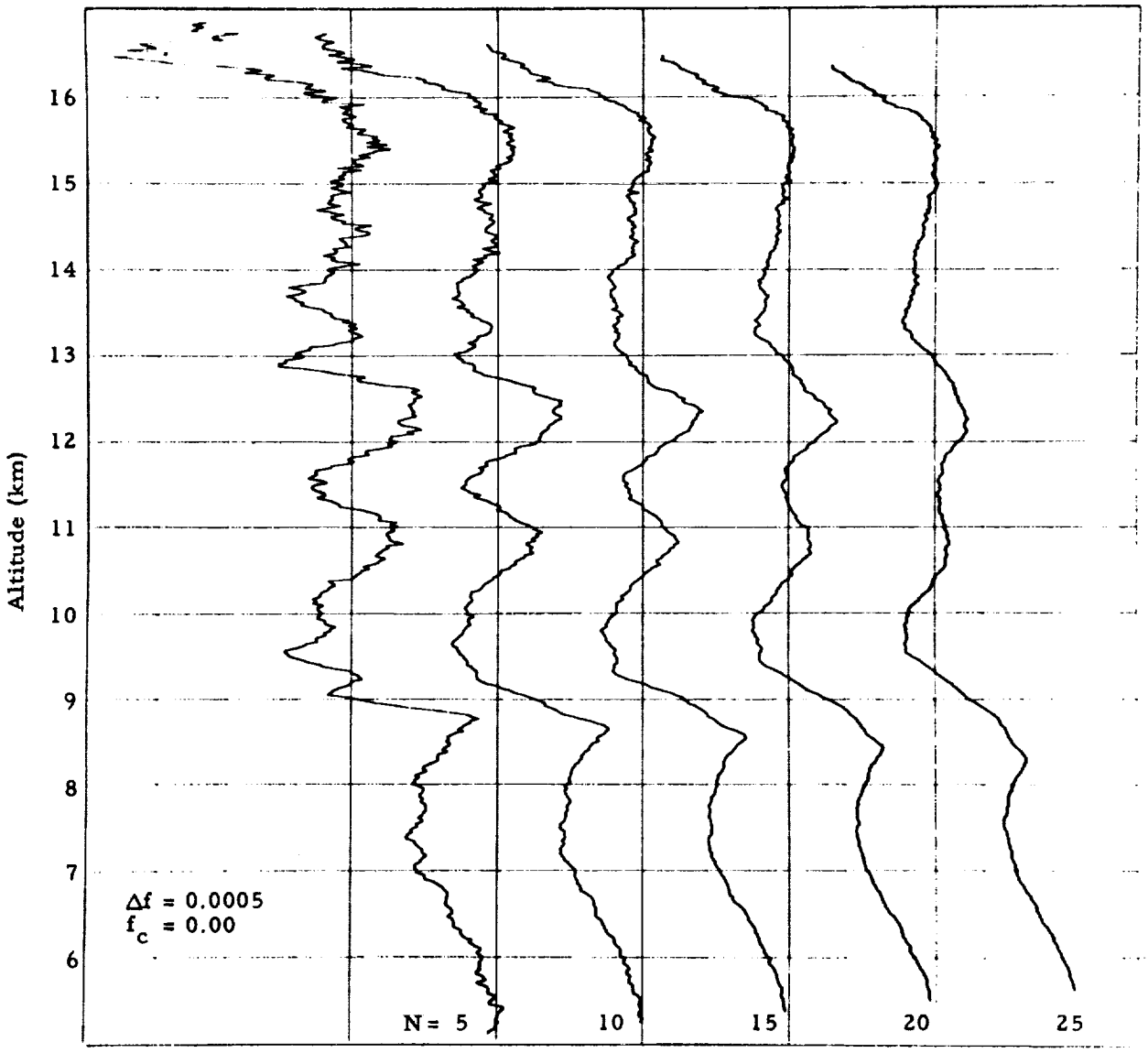

Fig. 10a - Effect of Varying the Number of Weights — Filtered Ascent Rate

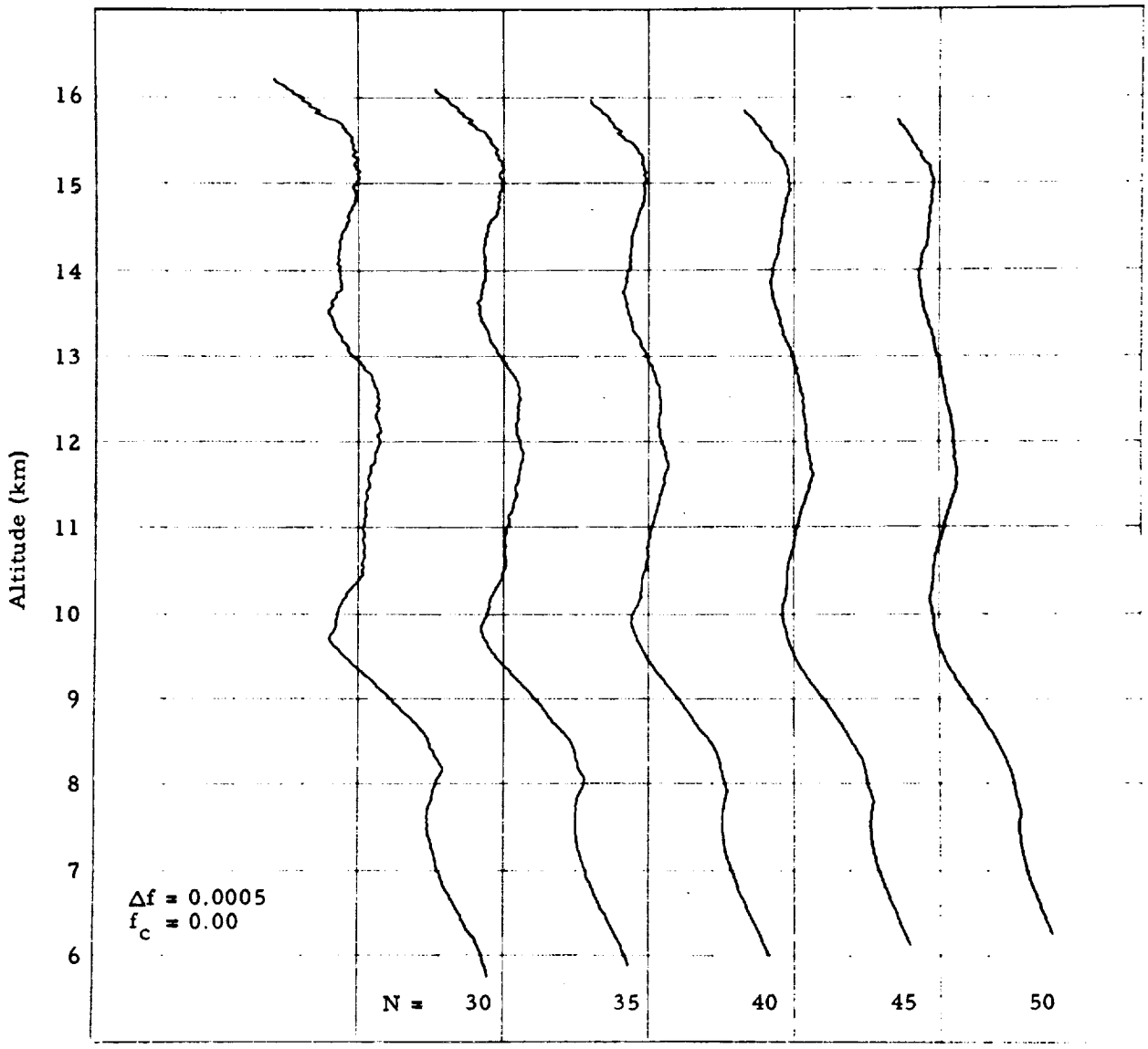

Fig. 10b - Effect of Varying the Number of Weights – Filtered Ascent Rate

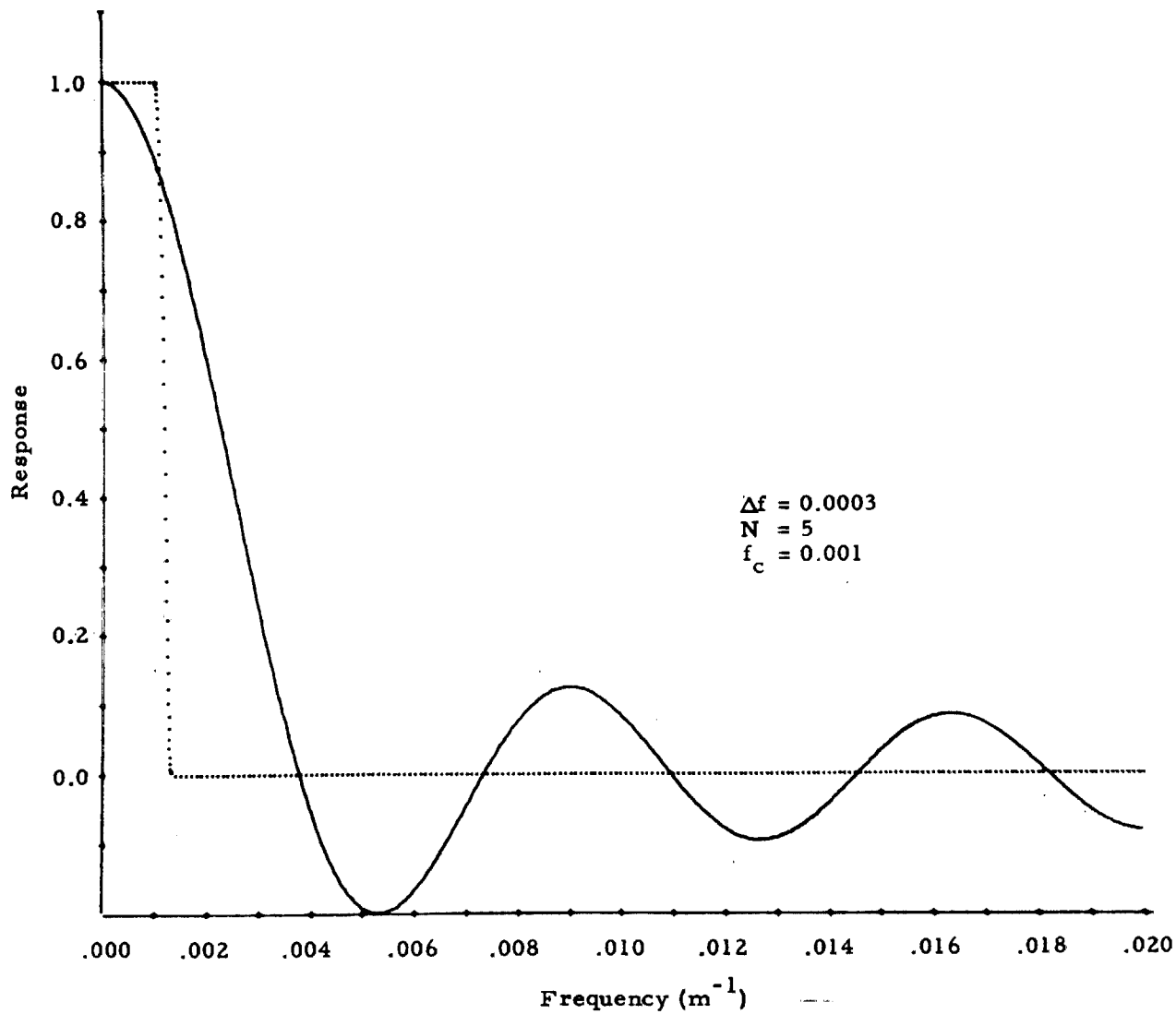

Fig. 11a - Effect of Varying Δf

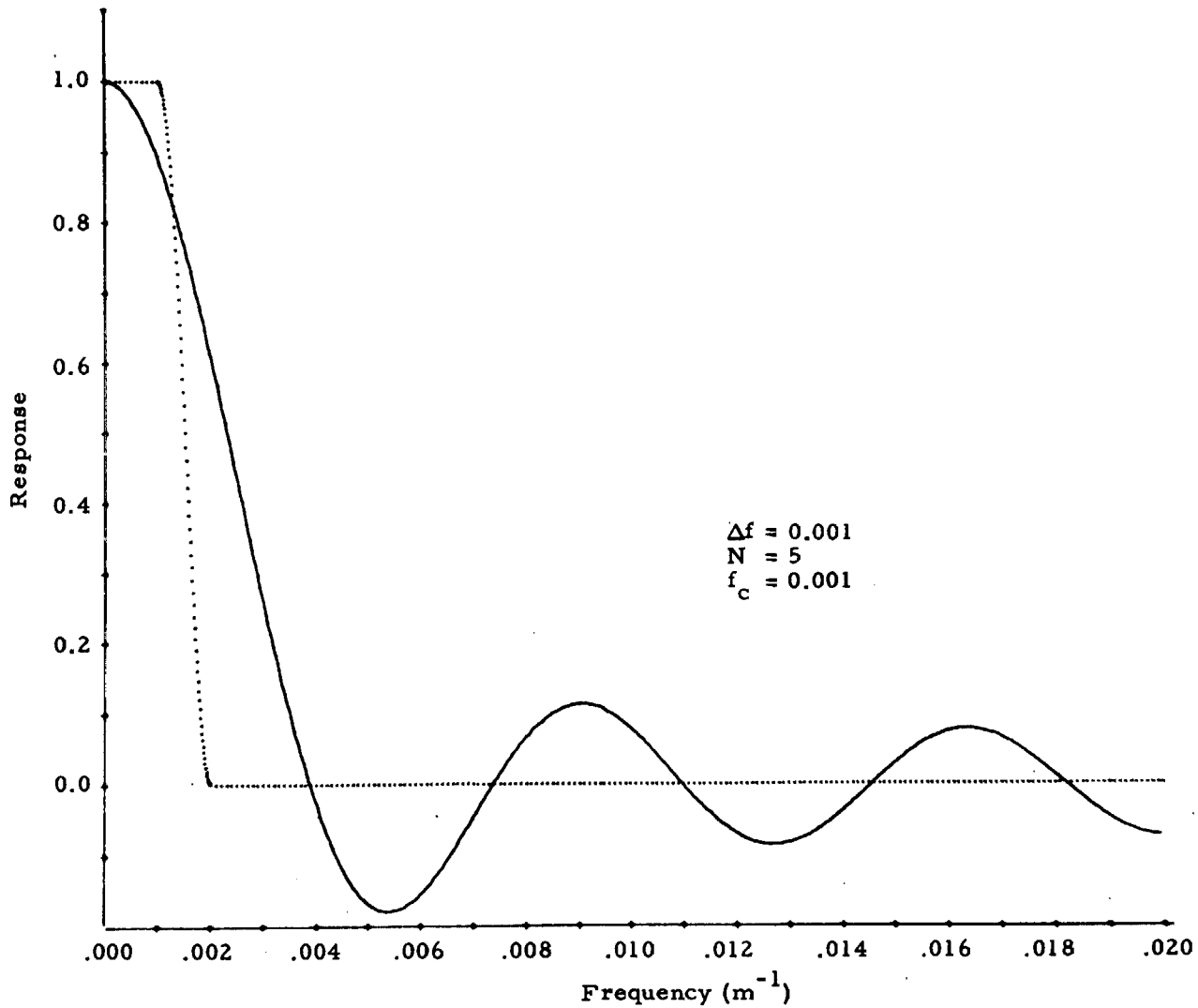

Fig. 11b - Effect of Varying Δf

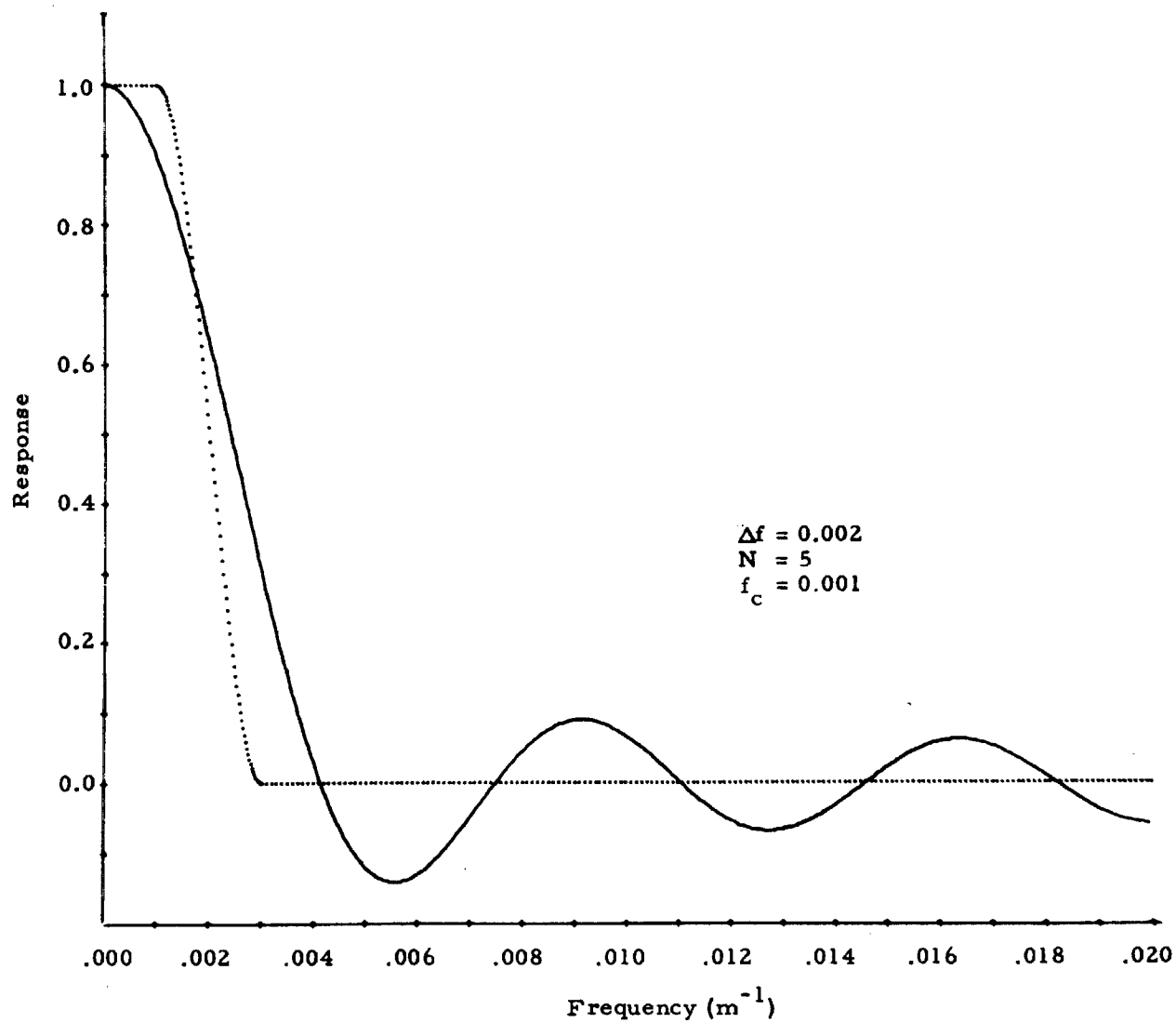

Fig. 11c - Effect of Varying Δf

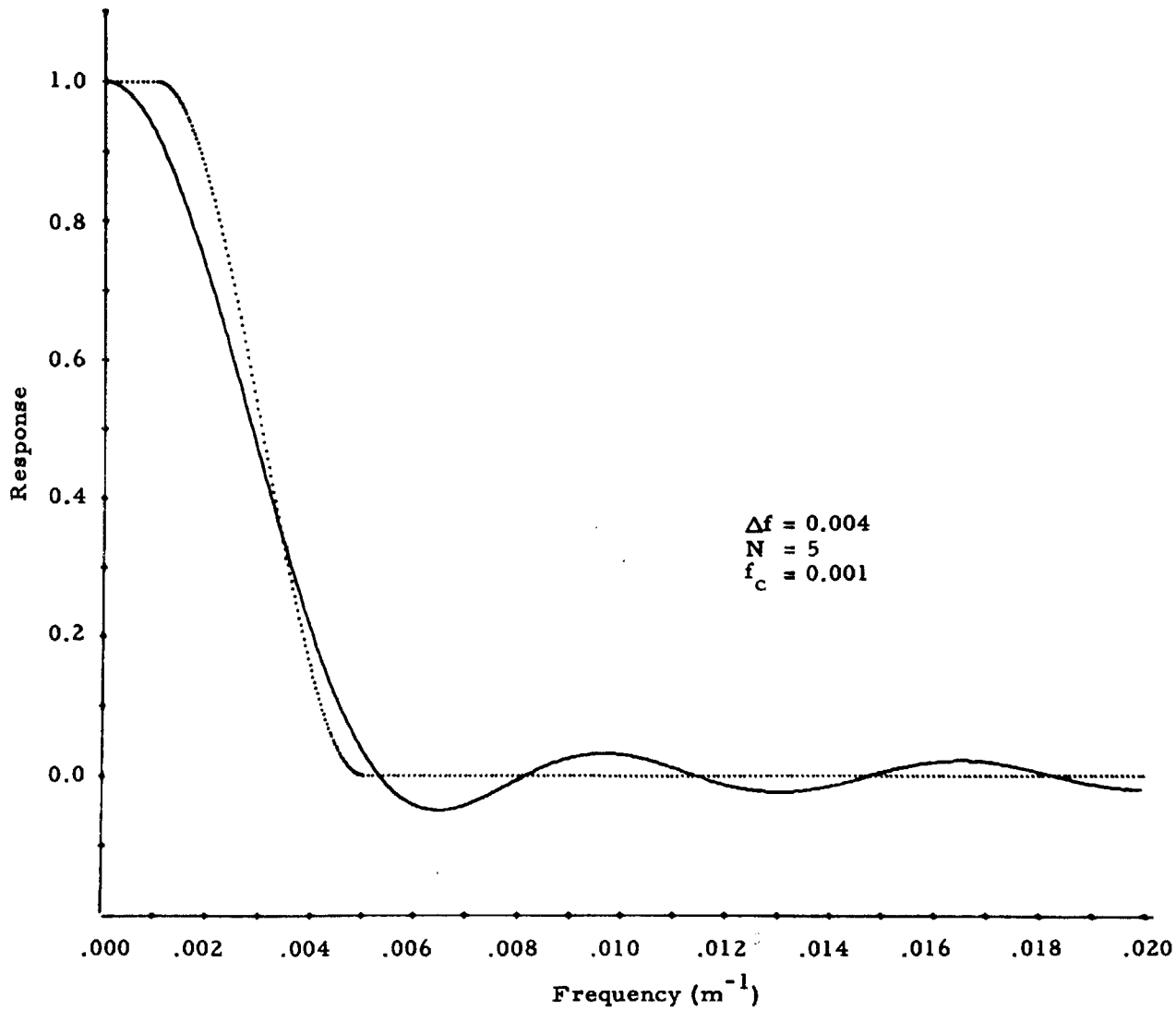

Fig. 11d - Effect of Varying Δf

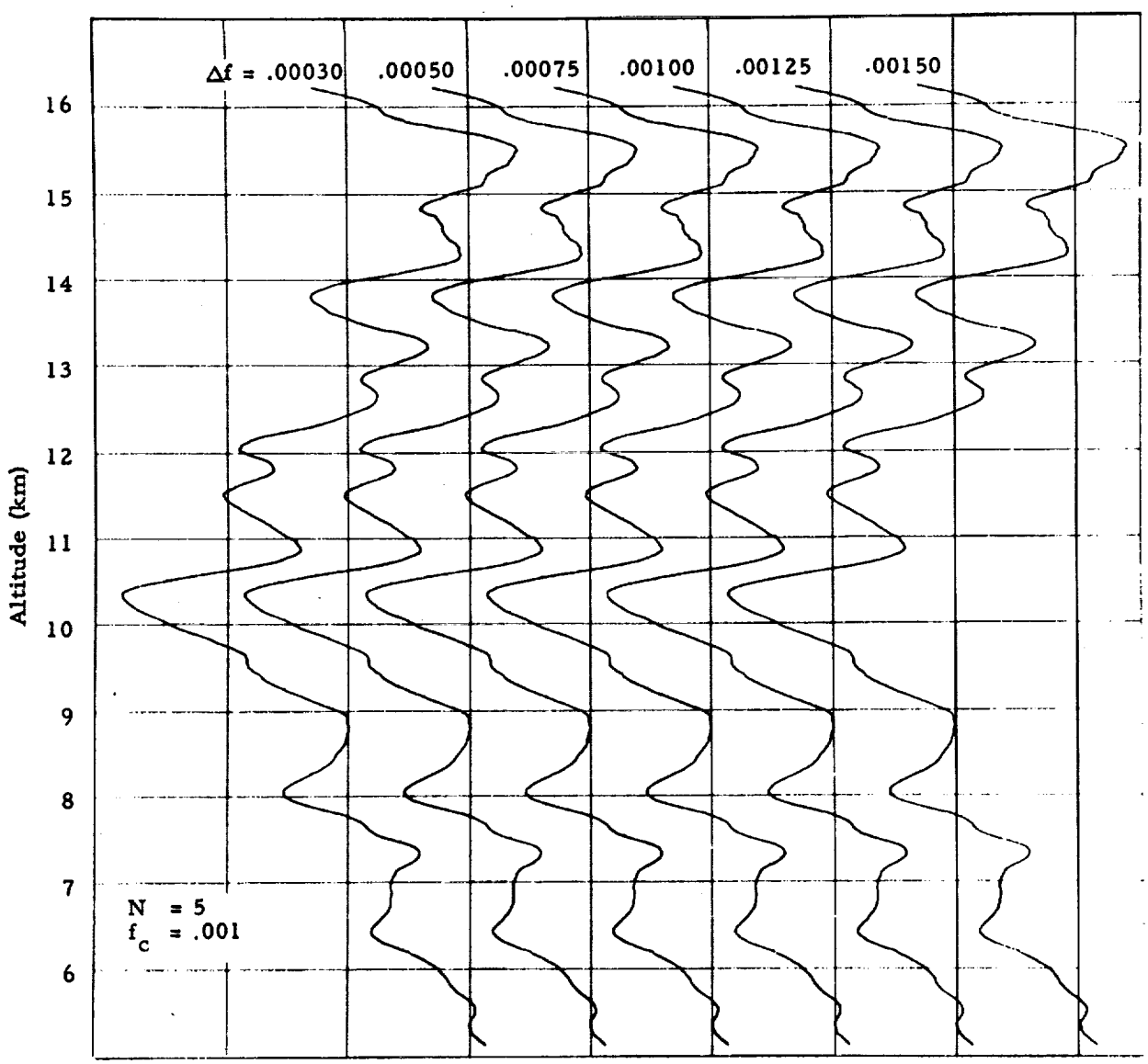

Fig. 12a - Effect of Varying Δf-Filtered Meridional Component

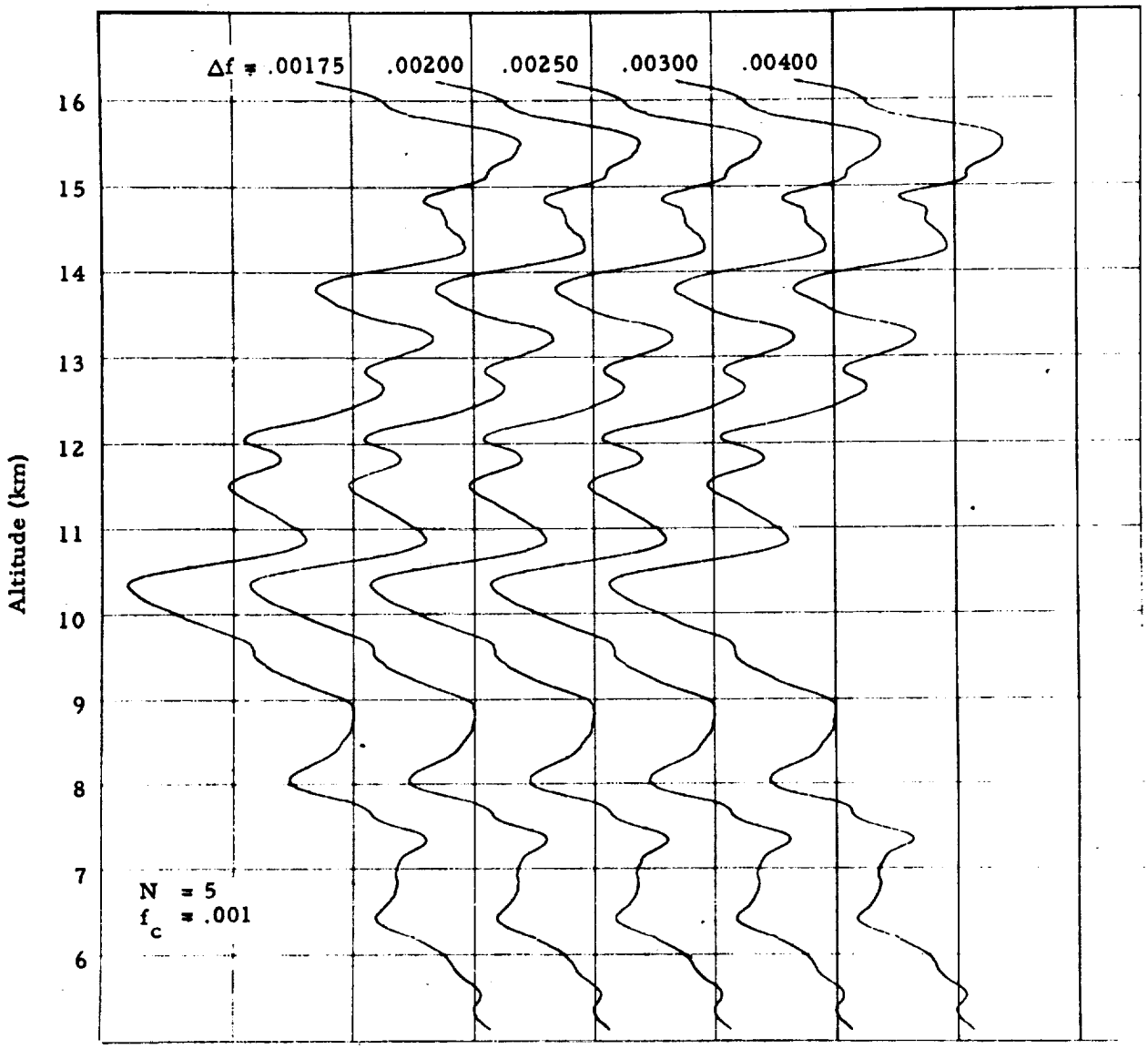

Fig. 12b - Effect of Varying Δf-Filtered Meridional Component

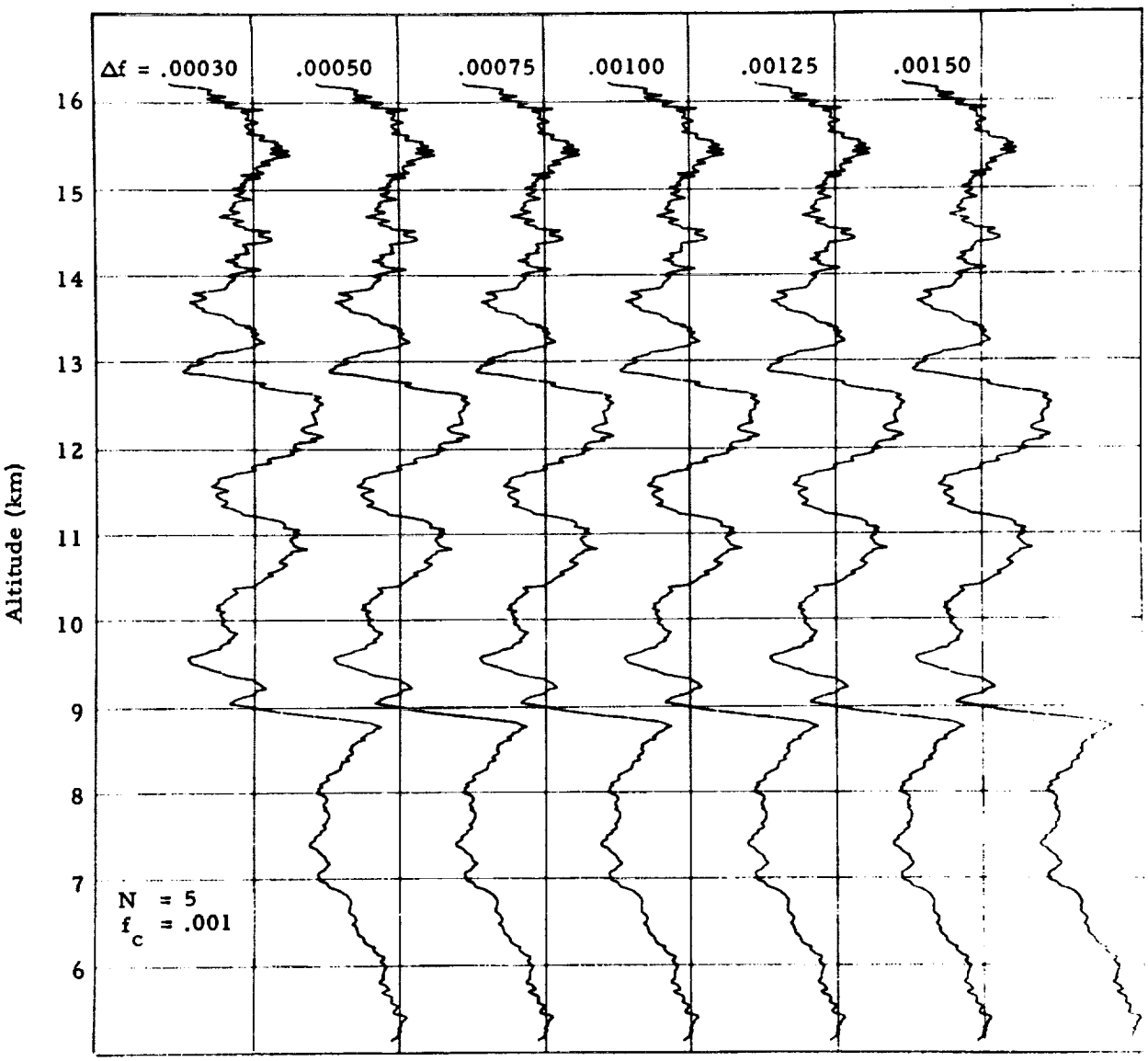

Fig. 13a - Effect of Varying Δf -Filtered Ascent Rate

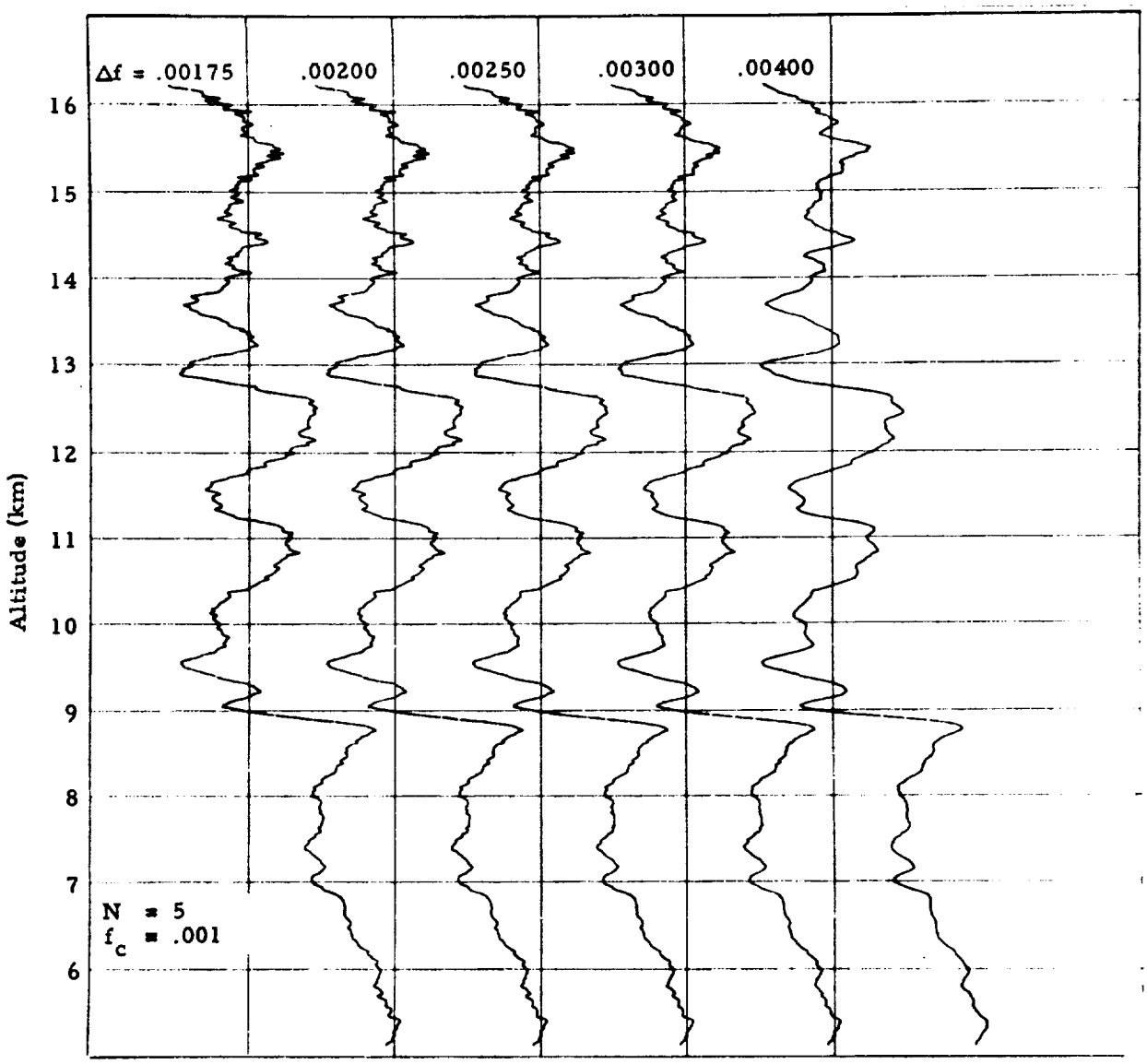

Fig. 13b - Effect of Varying Δf -Filtered Ascent Rate

Appendix A

MARTIN-GRAHAM FILTER SUBROUTINE

Appendix A

GFILTR: Numerical Smoothing Routine

Written By: D. Carlin, R. E. De Mandel and S. J. Krivo, Lockheed Missiles & Space Company, Huntsville Research & Engineering Center.

Purpose: To compute the numerical smoothing weights for a low-pass, high-pass, band-pass, or notch filter. Separate entry points, FLDATA and FRRESP, allow the user to apply the filter to any number of sets of data and to compute the filter response.

Method: The basic design is a low-pass Martin-Graham filter (Reference). The gain function, G(f), is defined as:

$$G(f) = 1 \qquad \text{when } f \leq f_c$$

$$G(f) = 1/2 \left[\cos \left(\frac{f - f_c}{f_t - f_c} \pi \right) + 1 \right] \qquad f_c \leq f \leq f_t$$

$$G(f) = 0 \qquad f \geq f_t$$

where:

f_c (the cutoff frequency) = the highest frequency whose amplitude is passed with unity gain.

f_t (termination frequency) = the lowest frequency whose amplitude is passed with zero gain.

Thus the gain function has unity gain below f_c, a cosine function in the rolloff interval between f_c and f_t, and zero gain above f_t. The gain function of this low-pass filter is illustrated in Figure A-la. (Here, F1 and F2 represent f_c and f_t, respectively.)

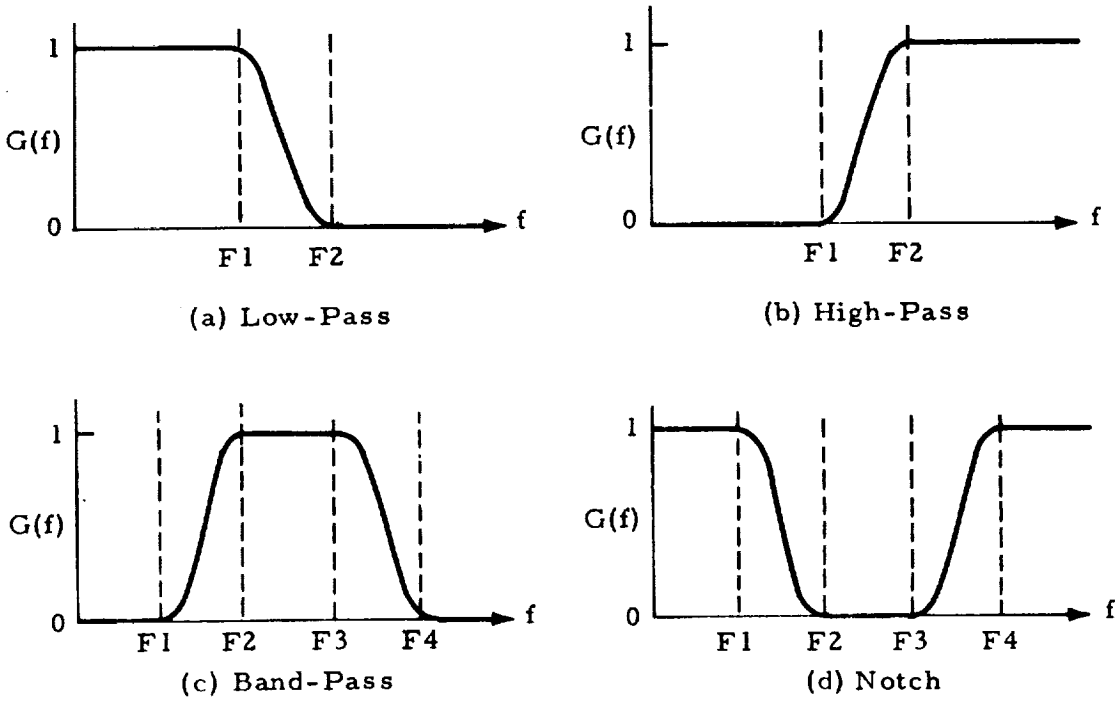

Figure A-1 — The Four Filter Types Which Can Be Generated With GFILTR

The above gain function can be converted, by an inverse Fourier transformation, to the weight function, h(t), in the time (t) domain:

$$h(t) = \frac{\sin(2\pi f_t t) + \sin(2\pi f_c t)}{2\pi t\left[1 - 4t^2 (f_t - f_c)^2\right]} .$$

The discrete sample form of this weight function equation is

$$h_i = h(iT) = \frac{\sin(2\pi f_t i T) + \sin(2\pi f_c i T)}{2\pi i T\left[1 - 4 i^2 T^2 (f_t - f_c)^2\right]}$$

where:

T = time interval between data samples

i = weight index $(-N, -N+1, \ldots, -1, 0, 1, \ldots, N-1, N)$

N = $(n-1)/2$

n = number of weights

The center weight $(i = 0)$ is given by:

$$h_o = f_c + f_t \quad .$$

When the weights, h_i, have been determined, they are normalized by applying the constraint

$$\sum_{i=-N}^{N} h_i = 1 \quad .$$

Only $(N+1)$ weights need be calculated since $h_{-i} = h_i$. Since the filter function is even, no phase shift is produced.

The application of the filter to input data (X_J) to produce filtered data (Y_K) is given by:

$$Y_K = h_o X_{N+K} + \sum_{i=1}^{N} h_i (X_{N+K-i} + X_{N+K+i})$$

where K = 1, 2, . . . , NX - 2N, and NX = the number of input (data) points.

The filter response function is given by

$$\hat{G}(f) = h_o + 2 \sum_{i=1}^{N} h_i \cos(2\pi f i T)$$

As the number of weights (n) is increased, the response of the filter improves [i.e., $\hat{G}(f)$ approaches G(f)]. However, computation time increases as does the number of points lost (the first and last N data points).

The basic low-pass filter is used to design the other filter types (see Figure A-1):

1. The weights for a high-pass filter are obtained by subtracting the weights of a low-pass filter from those of an all-pass filter (one in which all frequencies have unity gain). The weights of an all-pass filter are equal to zero except for the middle weight which is unity.

2. The weights of a band-pass filter are obtained by subtracting the corresponding weights of two low-pass filters.

3. Notch filter weights are obtained by subtracting the band-pass weights from the all-pass weights.

USAGE: The CALL statement for determination of the weights is:

```
CALL GFILTR (ITF, DELT, NP, W, F1, F2, F3, F4)
```

where:

ITF specifies the filter type to be generated. ITF may be assigned values from 1 to 4 as follows:

$$ITF = \begin{cases} 1 & \text{low-pass} \\ 2 & \text{high-pass} \\ 3 & \text{band-pass} \\ 4 & \text{notch} \end{cases}$$

DELT is the time interval between successive data points.

NP is the number of weights desired. NP must always be odd.

W is the weight array. W must be dimensioned by at least NP in the main program.

F1, F2, F3, F4 are the desired cutoff and termination frequencies, f_c and f_t. For a low-pass or high-pass filter, values are assigned to F1 and F2, and F3 and F4 are "dummy" arguments. For a band-pass or notch filter two values of f_c and f_t are required. After values are selected for the cutoff and termination frequencies, they must be assigned to F1, F2, F3, and F4 such that $F1 \leq F2 \leq F3 \leq F4$ (see Figure A-1).

The CALL statement used to apply the filter to a set of data is:

```
CALL FLDATA (NX, X, Y)
```

where:

NX is the number of data (input) points to be smoothed.

X is the input array of data points. X must be dimensioned by at least NX in the main program.

Y is the output array of filtered data. It must be dimen- by at least NX-2N in the main program.

The CALL statement for the filter response is

```
CALL FRRESP (NF, FI, FS, F, R)
```

where:

NF is the number of points (frequencies) for which response is to be computed.

FI is the frequency interval between points.

FS is the first (lowest) frequency at which response is to be computed.

F is the output array of frequencies for which response is computed. F must be dimensioned by at least NF in the main program.

R is the output array of response values. R must be dimensioned by at least NF in the main program.

RESTRICTION: The only restriction on the number of weights (NP) chosen is the amount of core storage available.

REFERENCE: Graham, Ronald J., "Determination and Analysis of Numerical Smoothing Weights," NASA TR R-179, George C. Marshall Space Flight Center, Huntsville, Alabama, December 1963.

SUBROUTINE LISTING
(FORTRAN IV)

```
      SUBROUTINE GFILTR (ITF,DELT,NP,W,F1,F2,F3,F4)
      DIMENSION  W(NP)
      DATA  PI/3.14159265/
         NP1 = (NP + 1) / 2
         N = NP1 - 1
         DT2 = 2.0 * DELT
         PI2DT = PI * DT2
         KM = 0
         FC = F1
         FT = F2
10       FTMC = FT - FC
         WX = FT + FC
         SUM = WX
      DO 20 K=1,N
         M = K + KM
         AA = DT2 * FLOAT(K)
         AM = AA * PI
         AC = AM * FC
         AT = AM * FT
         AD = (FTMC * AA)**2
         DM = 1.0 - AD
       IF (DM.LT.0.0001.AND.DM.GT.-0.0001)  GO TO 15
         W(M) = (SIN(AT) + SIN(AC)) / (AM * DM)
       GO TO 20
15       W(M) = (FT*COS(AT) + FC*COS(AC)) / (1.0 - 3.0*AD)
20    SUM = SUM + 2.0*W(M)
         K1 = KM + 1
         K2 = KM + N
      DO 22 M=K1,K2
22    W(M) = W(M) / SUM
         WX = WX / SUM
      IF (KM.GT.0) GO TO 25
         W(NP1) = WX
      IF (ITF.LT.2) GO TO 99
      IF (ITF.EQ.2) GO TO 30
         FC = F3
         FT = F4
```

```
      KM = NP1
   GO TO 10
25 DO 27 K=1,N
      M = K + NP1
27 W(K) = W(M) - W(K)
   W(NP1) = WX - W(NP1)
   IF (ITF.EQ.3) GO TO 99
30 W(NP1) = 1.0 - W(NP1)
   DO 32 K=1,N
32 W(K) = -W(K)
   GO TO 99
   ENTRY FLDATA (NX,X,Y)
   DIMENSION  X(NX),Y(NX)
      KM = NX - N - N
   DO 42 K = 1,KM
      M = K + N
      SUM = X(M)*W(NP1)
   DO 40 J=1,N
      K1 = M - J
      K2 = M + J
40 SUM = SUM + W(J)*(X(K1) + X(K2))
42 Y(K) = SUM
   GO TO 99
   ENTRY FRRESP (NF,FI,FS,F,R)
   DIMENSION  F(NF),R(NF)
      F(1) = FS
   DO 50 K=2,NF
50 F(K) = F(K-1) + FI
   DO 60 K=1,NF
      R(K) = W(NP1)
      WX = F(K) * PI2DT
   DO 60 J=1,N
60 R(K) = R(K) + 2.0 * W(J) * COS(FLOAT(J) * WX)
99 RETURN
   END
```

Appendix B

TABLES OF THE WAVELENGTHS AT WHICH RESPONSE EQUALS 0.8 AND 0.2

Table 1 - $\Delta f = 0.00030$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00030	0.00040	0.00043	0.00050	0.00055	0.00063	0.00070	0.00080
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	3333.	2500.	2308.	2000.	1818.	1579.	1429.	1250.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	760.45	760.10	759.75	759.05	758.69	757.64	756.94	755.20
10	1453.13	1449.27	1447.99	1444.16	1440.35	1434.05	1427.80	1416.69
15	2140.30	2129.17	2123.66	2109.98	2099.17	2077.87	2054.42	2016.49
20	2822.39	2793.52	2784.03	2751.30	2723.86	2670.58	2615.16	2518.68
25	3497.12	3438.41	3416.89	3353.94	3299.90	3190.65	3082.60	2876.91
30	4153.11	4060.47	4020.61	3914.93	3814.67	3612.79	3409.78	3025.67
35	4797.66	4647.94	4582.94	4410.23	4250.06	3919.93	3557.87	2881.97
40	5434.16	5209.54	5112.01	4840.18	4582.94	4040.44	3474.87	2450.86
45	6056.93	5718.67	5563.33	5176.62	4797.66	3971.88	3129.70	2028.98
50	6646.65	6194.33	5968.67	5416.20	4868.95	3677.67	2653.28	1848.17

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00030	0.00040	0.00043	0.00050	0.00055	0.00063	0.00070	0.00080
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	3333.	2500.	2308.	2000.	1818.	1579.	1429.	1250.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	332.03	331.76	331.63	331.29	331.09	330.56	330.09	329.23
10	633.93	631.49	630.52	628.58	626.66	622.85	619.55	613.29
15	932.23	925.91	922.78	916.07	909.97	898.00	886.34	865.73
20	1227.73	1212.26	1206.04	1189.40	1174.90	1146.14	1117.98	1066.32
25	1517.74	1488.78	1476.70	1444.16	1415.46	1356.85	1298.77	1195.48
30	1803.9[illegible]	1753.24	1729.18	1674.40	1622.98	1517.74	1415.46	1237.00
35	2083.51	2001.71	1963.33	1873.53	1789.62	1618.17	1457.00	1223.14
40	2342.96	2230.63	2174.39	2034.02	1906.22	1654.11	1446.71	1222.23
45	2611.00	2436.28	2355.72	2154.37	1970.41	1644.15	1437.82	1248.30
50	2861.83	2619.34	2507.12	2227.60	1987.14	1632.69	1453.13	1280.50

(Continued)

Table 1 - Δf = 0.00030 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00087	0.00097	0.00110	0.00130	0.00141	0.00155	0.00173	0.00197
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	1148.	1034.	909.	769.	709.	645.	579.	508.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	755.15	752.08	748.98	743.54	739.85	734.87	727.69	716.24
10	1906.96	1392.61	1369.33	1325.03	1295.69	1254.04	1189.40	1083.96
15	1965.74	1933.22	1848.17	1681.27	1664.11	1391.42	1123.35	770.47
20	2438.26	2302.74	2072.61	1605.49	1295.69	969.75	755.55	630.76
25	2696.05	2408.11	1886.47	1195.33	951.18	823.52	725.12	627.14
30	2674.94	2120.91	1419.24	1007.94	909.46	818.18	720.65	629.55
35	2305.92	1649.12	1237.93	998.11	907.45	812.50	725.76	626.90
40	1852.35	1455.71	1211.39	993.87	902.95	819.81	723.83	597.41
45	1640.82	1415.46	1210.49	992.07	911.49	817.36	692.33	593.95
50	1610.22	1413.02	1204.26	1001.16	907.95	785.61	684.23	592.87

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00087	0.00097	0.00110	0.00130	0.00141	0.00155	0.00173	0.00197
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	1148.	1034.	909.	769.	709.	645.	579.	508.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	328.57	327.52	325.89	322.87	320.97	318.29	314.32	308.23
10	608.24	600.70	587.98	564.67	549.34	527.41	494.91	444.79
15	848.25	821.46	774.68	693.50	640.88	574.78	504.20	443.71
20	1023.68	956.73	849.13	692.92	631.49	578.02	528.43	471.82
25	1108.90	966.10	836.99	706.66	659.98	608.51	544.23	476.63
30	1108.90	972.06	852.67	737.85	680.26	613.29	552.86	497.46
35	1099.97	990.87	884.90	745.91	692.52	628.10	573.17	500.05
40	1122.58	1023.68	900.96	762.42	701.82	646.69	575.18	506.76
45	1155.02	1044.56	901.95	773.74	718.44	647.97	579.86	508.11
50	1177.43	1047.24	915.05	787.50	718.75	652.10	584.91	513.36

(Continued)

Table 1 - Δf = 0.00030 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00230	0.00280	0.00363	0.00430	0.00530	0.00697	0.00830	0.01030
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	435.	357.	275.	233.	189.	144.	120.	97.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	697.04	659.45	567.80	460.42	268.57	167.36	139.99	112.59
10	889.71	539.04	328.70	275.01	221.03	159.63	131.89	105.95
15	545.50	431.21	326.93	274.42	208.83	157.29	128.95	102.33
20	531.17	430.20	313.12	259.14	208.22	154.49	127.45	101.58
25	531.00	421.45	308.40	258.28	204.02	152.39	126.53	101.16
30	526.39	404.40	307.48	253.41	201.86	151.30	125.92	100.61
35	501.88	404.10	302.15	252.59	201.94	150.62	125.49	100.28
40	500.81	403.50	302.48	250.50	200.35	150.10	125.16	100.11
45	502.04	397.62	298.73	249.78	199.55	149.87	124.91	100.00
60	496.41	397.43	298.73	248.75	199.53	149.70	124.71	99.79

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00230	0.00280	0.00363	0.00430	0.00530	0.00697	0.00830	0.01030
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	435.	357.	275.	233.	189.	144.	120.	97.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	297.86	278.00	232.74	192.86	156.48	126.31	105.44	89.74
10	372.83	303.49	245.91	207.30	175.05	134.60	113.58	92.78
15	391.07	324.53	258.52	219.23	179.74	138.21	116.51	94.76
20	400.44	340.16	263.22	223.08	182.93	140.54	118.01	95.50
25	419.83	343.66	266.99	224.97	185.12	141.60	118.93	96.21
30	422.76	348.93	270.39	228.81	186.57	142.18	119.53	96.49
35	429.18	353.90	272.27	230.65	187.58	142.82	119.97	96.78
40	430.99	355.29	274.69	231.72	188.16	143.32	120.30	96.98
45	437.31	357.61	275.66	232.74	188.90	143.62	120.55	97.15
60	437.78	359.89	276.92	233.47	189.42	143.91	120.75	97.26

Table 2 - $\Delta f = 0.00050$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00050	0.00060	0.00063	0.00070	0.00075	0.00083	0.00090	0.00100
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	2000.	1667.	1579.	1429.	1333.	1200.	1111.	1000.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	759.76	759.05	758.69	757.99	757.29	756.24	755.20	753.11
10	1947.99	1941.62	1940.35	1935.30	1930.29	1921.61	1914.24	1900.94
15	2123.66	2104.56	2096.48	2080.51	2064.78	2036.54	2009.07	1963.33
20	2779.30	2737.51	2719.34	2679.31	2640.45	2570.04	2507.12	2386.60
25	3409.78	3326.70	3293.27	3209.90	3135.69	2992.51	2851.87	2599.46
30	4010.77	3868.71	3805.81	3653.07	3527.23	3254.02	2992.51	2503.28
35	4570.15	4340.13	4239.07	3991.23	3770.77	3313.25	2866.84	2101.86
40	5096.11	4728.43	4570.15	4195.65	3850.53	3129.70	2480.55	1738.36
45	5563.33	5033.49	4811.75	4239.07	3727.87	2742.09	2093.80	1408.69
50	5968.67	5292.88	4912.74	4121.76	3424.03	2372.77	1915.14	1680.70

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00050	0.00060	0.00063	0.00070	0.00075	0.00083	0.00090	0.00100
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	2000.	1667.	1579.	1429.	1333.	1200.	1111.	1000.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	331.56	331.16	331.02	330.62	330.29	329.62	329.10	328.11
10	630.28	627.38	626.18	623.32	620.96	616.52	612.37	605.13
15	922.26	912.50	908.46	899.48	891.65	876.38	862.09	836.99
20	1204.26	1181.68	1172.38	1150.16	1131.10	1099.09	1059.92	997.60
25	1472.72	1429.04	1410.59	1367.09	1328.25	1253.08	1182.53	1062.17
30	1725.55	1647.46	1614.98	1537.68	1470.08	1338.02	1221.32	1053.97
35	1958.69	1833.69	1779.90	1655.79	1547.85	1353.99	1210.99	1055.33
40	2168.63	1977.55	1897.39	1719.70	1565.60	1391.30	1211.39	1081.81
45	2348.96	2080.51	1968.05	1725.59	1555.20	1396.81	1236.06	1109.65
50	2503.28	2137.51	1999.40	1716.50	1553.72	1370.97	1243.71	1122.58

(Continued)

Table 2 - Δf = 0.00050 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =		0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =		0.00107	0.00117	0.00130	0.00150	0.00161	0.00175	0.00193	0.00217
CUTOFF WAVL. (M) =		1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =		933.	857.	769.	667.	621.	571.	519.	462.
	N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
	5	751.73	749.67	746.25	740.19	736.19	730.61	722.88	710.65
	10	1389.06	1372.77	1345.71	1296.72	1269.69	1217.69	1196.94	1030.76
	15	1924.13	1865.00	1764.57	1573.12	1439.09	1245.46	964.05	675.21
	20	2283.48	2126.41	1850.25	1329.33	1052.62	833.16	694.97	598.72
	25	2372.77	2021.47	1474.04	974.37	858.48	767.94	684.52	594.81
	30	2093.80	1574.63	1143.22	925.39	857.81	765.43	680.26	601.14
	35	1657.46	1327.18	1108.90	923.82	842.58	764.00	687.68	584.20
	40	1474.09	1278.50	1104.65	918.64	845.63	770.47	668.87	566.43
	45	1435.30	1275.52	1102.19	924.87	849.13	748.98	649.00	565.65
	50	1432.79	1272.54	1100.71	923.82	825.60	729.31	648.23	566.23

Response = 0.2

CUTOFF FREQ. (1/M) =		0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =		0.00107	0.00117	0.00130	0.00150	0.00161	0.00175	0.00193	0.00217
CUTOFF WAVL. (M) =		1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =		933.	857.	769.	667.	621.	571.	519.	462.
	N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
	5	327.32	326.15	324.28	321.03	318.91	315.96	311.75	305.19
	10	599.16	590.31	575.99	549.89	532.90	508.90	473.73	421.78
	15	816.55	785.41	734.54	644.15	591.16	531.34	474.14	426.28
	20	946.78	871.72	742.58	635.16	569.88	547.69	503.27	447.59
	25	972.04	864.36	757.99	662.38	620.49	570.37	510.69	456.19
	30	960.66	872.45	787.88	682.81	628.34	573.97	526.56	472.77
	35	980.78	903.95	809.29	684.81	638.63	593.95	539.21	473.96
	40	1011.06	923.02	811.29	702.12	657.86	602.02	539.75	479.56
	45	1027.53	925.91	821.87	717.81	661.85	603.13	546.04	481.10
	50	1029.97	932.76	840.85	718.75	663.72	609.41	546.96	486.97

(Continued)

Table 2 - Δf = 0.00050 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00250	0.00300	0.00383	0.00450	0.00550	0.00717	0.00850	0.01050
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	400.	333.	261.	222.	182.	140.	118.	95.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	690.00	650.29	553.79	491.32	255.06	164.95	138.19	111.65
10	820.23	488.42	319.22	268.44	217.42	156.72	130.26	109.13
15	519.82	416.10	319.03	265.82	205.09	159.50	127.40	101.37
20	507.48	416.84	302.59	253.13	203.41	152.30	126.99	100.61
25	510.80	400.59	300.27	251.00	200.45	150.39	125.06	100.29
30	494.91	392.67	297.32	247.74	198.27	149.25	124.48	99.61
35	480.96	393.14	294.28	246.10	197.96	148.60	124.08	99.38
40	480.12	386.83	294.02	245.10	196.86	148.12	123.79	99.22
45	481.39	389.56	291.25	243.86	196.06	147.80	123.55	99.08
50	472.77	389.83	291.35	243.57	195.99	147.69	123.38	98.92

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00250	0.00300	0.00383	0.00450	0.00550	0.00717	0.00850	0.01050
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	400.	333.	261.	222.	182.	140.	118.	95.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	294.17	273.18	226.44	187.69	154.18	124.57	104.30	89.01
10	354.21	299.60	239.62	202.68	172.36	132.92	112.30	91.69
15	377.03	312.40	252.55	213.93	176.16	136.20	115.17	93.81
20	384.20	329.45	256.58	218.12	179.92	138.38	116.69	94.60
25	402.90	331.96	260.37	221.40	181.81	139.57	117.52	95.21
30	404.19	335.57	262.80	223.40	182.83	140.15	118.10	95.53
35	409.95	341.30	264.49	225.13	183.73	140.62	118.50	95.75
40	413.06	342.30	266.34	226.28	184.54	141.09	118.79	95.99
45	416.21	343.59	267.25	227.04	185.01	141.42	119.00	96.10
50	418.01	346.13	268.52	227.76	185.91	141.69	119.17	96.22

Table 3 - $\Delta f = 0.00075$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00075	0.00085	0.00088	0.00095	0.00100	0.00108	0.00115	0.00125
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	1333.	1176.	1132.	1053.	1000.	923.	870.	800.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	757.99	756.94	756.59	755.55	754.85	753.46	752.08	750.01
10	1436.54	1429.04	1425.32	1419.14	1413.02	1402.14	1392.61	1376.23
15	2085.81	2059.59	2049.28	2026.47	2006.61	1970.41	1937.79	1879.98
20	2692.52	2631.97	2606.84	2550.04	2503.28	2411.18	2325.62	2177.28
25	3241.15	3117.79	3071.04	2960.07	2861.83	2666.23	2488.08	2162.90
30	3719.41	3504.60	3416.89	3209.40	3031.27	2679.31	2348.96	1815.40
35	4121.76	3762.11	3612.79	3280.08	2987.06	2429.06	1979.94	1498.31
40	4410.23	3877.87	3661.23	3159.88	2742.09	2077.87	1709.34	1403.34
45	4608.72	3859.60	3550.16	2897.26	2425.46	1871.39	1618.17	1390.29
50	4701.29	3719.41	3347.09	2627.75	2218.55	1801.43	1600.78	1391.42

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00075	0.00085	0.00088	0.00095	0.00100	0.00108	0.00115	0.00125
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	1333.	1176.	1132.	1053.	1000.	923.	870.	800.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	330.76	330.16	329.89	329.45	329.03	328.24	327.52	326.41
10	624.27	620.02	618.38	614.90	611.69	606.03	600.92	592.23
15	902.45	888.79	883.47	871.26	860.73	841.28	823.52	793.22
20	1158.29	1125.66	1111.79	1082.52	1058.36	1010.42	966.89	894.08
25	1384.37	1318.63	1292.62	1234.20	1184.24	1091.90	1012.30	897.51
30	1571.61	1458.30	1413.02	1313.35	1232.34	1097.76	1003.61	898.00
35	1716.50	1537.68	1470.08	1329.33	1229.57	1092.63	1012.92	923.82
40	1813.39	1565.50	1479.37	1322.89	1227.73	1110.40	1037.95	944.60
45	1865.00	1549.11	1474.04	1328.25	1243.51	1133.45	1056.69	949.52
50	1882.14	1562.61	1479.37	1346.81	1265.66	1147.74	1061.98	951.72

(Continued)

Table 3 - $\Delta f = 0.00075$ (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00132	0.00142	0.00155	0.00175	0.00186	0.00200	0.00218	0.00242
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	757.	706.	645.	571.	537.	500.	459.	414.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	748.30	745.91	741.86	735.20	730.61	724.80	716.24	702.72
10	1363.63	1344.40	1313.35	1255.96	1219.50	1166.54	1086.11	956.73
15	1833.69	1760.77	1692.51	1415.46	1262.74	1050.59	793.99	598.07
20	2051.85	1856.54	1533.36	1035.98	859.83	734.21	643.14	565.06
25	1897.39	1523.38	1122.58	859.38	784.49	714.37	639.88	561.58
30	1488.78	1211.39	1011.05	850.45	782.61	710.03	639.88	565.84
35	1304.98	1147.74	1004.85	846.06	779.26	714.68	639.13	541.36
40	1272.54	1144.53	1001.16	847.81	784.49	706.97	615.13	536.74
45	1272.54	1142.14	999.33	849.13	770.47	685.67	611.00	535.86
50	1269.59	1138.17	1003.60	831.04	753.11	682.52	610.32	536.21

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00132	0.00142	0.00155	0.00175	0.00186	0.00200	0.00218	0.00242
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	757.	706.	645.	571.	537.	500.	459.	414.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	325.50	324.15	322.04	318.29	315.96	312.76	308.11	301.04
10	585.25	574.98	558.32	528.60	509.53	483.09	445.52	393.52
15	768.66	732.25	674.66	581.51	534.46	487.55	444.79	405.04
20	837.41	761.47	671.34	582.75	549.34	514.01	471.96	418.87
25	826.52	757.99	689.13	611.46	571.57	524.37	476.35	433.50
30	843.45	785.24	714.68	617.22	574.78	535.69	494.91	441.20
35	870.79	804.52	718.44	628.10	592.44	550.26	497.62	444.92
40	882.52	804.50	727.05	643.65	600.04	550.63	502.19	447.22
45	883.47	814.52	742.53	645.67	600.92	555.67	504.05	451.41
50	892.13	828.52	748.30	648.23	605.58	554.99	507.48	462.78

(Continued)

Table 3 - Δf = 0.00075 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00275	0.00325	0.00408	0.00475	0.00575	0.00742	0.00875	0.01075
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	364.	308.	245.	211.	174.	135.	114.	93.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	680.54	637.88	534.99	416.52	240.68	162.11	135.94	110.56
10	728.99	441.20	308.75	260.66	213.13	153.47	128.30	102.51
15	485.52	398.59	309.86	255.30	200.55	151.14	125.55	100.24
20	481.39	400.93	291.92	246.25	197.81	149.55	124.18	99.49
25	486.39	375.83	291.30	242.85	196.34	148.01	123.37	99.08
30	463.15	377.03	286.51	241.46	194.18	146.91	122.85	98.51
35	459.00	377.64	285.46	239.30	193.38	146.27	122.48	98.33
40	458.74	370.72	284.07	239.17	192.99	145.89	122.22	98.21
45	455.93	370.39	283.00	237.88	192.27	145.59	122.02	98.03
50	451.66	370.13	282.65	237.88	191.97	145.41	121.87	97.96

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00275	0.00325	0.00408	0.00475	0.00575	0.00742	0.00875	0.01075
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	364.	308.	245.	211.	174.	135.	114.	93.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	289.14	266.82	218.50	181.73	151.46	122.38	102.96	88.07
10	334.33	284.67	231.69	197.48	168.90	130.82	110.79	90.84
15	359.42	299.01	244.74	207.93	171.86	133.83	113.57	92.59
20	367.23	315.35	248.30	212.38	175.30	135.72	114.96	93.50
25	380.71	318.35	252.16	215.31	177.56	136.94	115.76	93.94
30	383.75	320.91	253.88	217.31	178.17	137.58	116.26	94.30
35	386.01	324.85	255.50	218.35	179.15	137.94	116.58	94.48
40	391.07	326.54	256.54	219.32	179.84	138.26	116.80	94.68
45	391.73	327.71	257.31	219.73	180.07	138.54	116.95	94.78
50	393.23	328.43	258.00	220.20	180.43	138.72	117.07	94.85

Table 4 - $\Delta f = 0.00100$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00100	0.00110	0.00113	0.00120	0.00125	0.00133	0.00140	0.00150
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	1000.	909.	882.	833.	800.	750.	714.	667.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	755.89	754.50	754.15	752.77	752.08	750.35	748.64	746.25
10	1420.37	1410.59	1406.96	1398.55	1391.42	1378.54	1367.04	1347.92
15	2034.02	1999.27	1987.14	1958.64	1933.22	1888.65	1848.17	1777.97
20	2570.04	2488.08	2454.53	2383.13	2325.62	2209.58	2104.56	1921.88
25	3009.00	2841.98	2774.60	2627.75	2503.28	2267.68	2051.85	1693.44
30	3319.96	3025.67	2912.71	2653.28	2439.91	2046.72	1734.67	1365.90
35	3489.67	3036.89	2861.83	2484.31	2188.91	1749.49	1496.94	1240.79
40	3534.84	2912.71	2688.11	2242.85	1953.97	1608.64	1430.29	1249.24
45	3489.67	2746.69	2507.12	2085.81	1848.17	1576.14	1429.08	1250.21
50	3409.78	2623.54	2397.07	2026.47	1821.46	1579.63	1425.32	1248.30

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00100	0.00110	0.00113	0.00120	0.00125	0.00133	0.00140	0.00150
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	1000.	909.	882.	833.	800.	750.	714.	667.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	329.56	328.76	326.50	327.91	327.39	326.47	325.63	324.28
10	615.82	610.32	608.28	603.57	599.82	593.09	586.92	576.60
15	874.98	856.68	849.57	834.00	821.46	797.47	776.31	740.52
20	1093.36	1049.25	1032.71	995.08	964.62	907.95	858.93	782.99
25	1258.86	1173.22	1140.55	1070.50	1015.43	923.82	857.58	777.05
30	1361.36	1223.14	1174.06	1078.25	1012.30	921.23	864.82	798.69
35	1405.75	1226.81	1171.54	1076.12	1017.96	939.72	887.30	817.36
40	1413.02	1224.81	1175.74	1090.45	1035.98	957.29	899.48	820.23
45	1413.02	1236.06	1188.54	1105.16	1048.58	962.35	900.47	823.11
50	1416.69	1246.41	1198.98	1111.16	1051.27	962.92	902.95	829.78

(Continued)

Table 4 - Δf = 0.00100 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =		0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =		0.00157	0.00167	0.00180	0.00200	0.00211	0.00225	0.00243	0.00267
CUTOFF WAVL. (M) =		1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =		636.	600.	556.	500.	474.	444.	412.	375.
	N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
	5	744.22	741.53	736.86	729.31	724.47	718.12	708.80	694.38
	10	1332.57	1310.20	1273.53	1209.60	1167.37	1108.15	1018.59	875.45
	15	1721.91	1635.95	1496.94	1238.87	1073.30	869.41	677.72	548.60
	20	1772.20	1549.31	1217.69	858.48	755.20	673.82	604.69	535.34
	25	1441.62	1173.22	952.84	789.78	731.27	669.14	601.36	534.29
	30	1196.35	1051.94	922.78	788.64	727.69	666.15	604.91	529.80
	35	1151.76	1042.57	922.26	785.24	729.64	668.87	592.66	512.24
	40	1151.78	1041.91	918.64	788.26	725.76	652.62	580.27	511.76
	45	1150.16	1039.26	920.71	778.89	711.27	645.67	580.27	511.60
	50	1147.74	1039.92	917.61	769.74	708.50	645.93	580.07	509.86

Response = 0.2

CUTOFF FREQ. (1/M) =		0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =		0.00157	0.00167	0.00180	0.00200	0.00211	0.00225	0.00243	0.00267
CUTOFF WAVL. (M) =		1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =		636.	600.	556.	500.	474.	444.	412.	375.
	N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
	5	323.25	321.73	319.35	315.23	312.70	309.16	304.11	296.41
	10	568.59	556.62	537.80	504.51	483.52	455.05	416.31	367.48
	15	712.19	671.61	610.77	526.22	489.59	459.54	421.13	384.19
	20	730.61	670.24	606.48	542.43	514.33	481.53	440.73	399.18
	25	733.23	686.53	633.20	561.58	524.54	485.67	449.18	410.88
	30	756.34	709.11	643.65	565.06	533.94	501.42	461.59	413.06
	35	770.11	712.19	647.97	579.46	546.22	504.07	462.89	417.59
	40	771.19	718.44	660.25	584.00	546.95	508.58	466.32	418.87
	45	778.89	728.02	664.53	585.25	550.08	510.48	467.38	421.56
	50	784.86	730.94	665.07	587.35	550.82	511.60	469.39	421.89

(Continued)

Table 4 - Δf = 0.00100 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00300	0.00350	0.00433	0.00500	0.00600	0.00767	0.00900	0.01100
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	333.	286.	231.	200.	167.	130.	111.	91.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	670.24	624.51	514.98	391.07	228.65	159.45	133.81	109.49
10	639.63	407.31	299.33	253.37	208.99	150.61	124.43	100.99
15	462.37	382.40	300.87	245.77	196.27	148.06	123.84	99.16
20	459.24	385.01	283.04	240.08	192.95	146.78	122.57	98.45
25	461.20	364.29	283.24	236.13	192.45	145.67	121.82	97.93
30	440.49	363.40	278.00	235.83	190.39	144.77	121.34	97.53
35	439.66	362.44	277.86	233.77	189.51	144.18	121.00	97.37
40	439.40	358.47	276.08	233.77	189.44	143.88	120.77	97.27
45	435.69	358.39	275.89	232.91	188.96	143.70	120.62	97.15
50	435.22	357.61	275.43	232.81	188.74	143.60	120.54	97.12

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00300	0.00350	0.00433	0.00500	0.00600	0.00767	0.00900	0.01100
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	333.	286.	231.	200.	167.	130.	111.	91.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	283.73	260.00	210.63	176.33	148.90	120.18	101.71	87.10
10	317.98	275.52	223.84	192.86	165.29	128.70	109.35	89.83
15	341.65	287.67	236.57	202.43	167.86	131.57	112.01	91.39
20	352.38	300.98	239.83	206.91	171.34	133.17	113.27	92.36
25	359.42	304.85	243.61	209.15	173.09	134.23	113.93	92.70
30	363.89	307.65	244.92	210.79	173.75	134.89	114.31	93.01
35	365.76	309.45	246.39	211.37	174.55	135.24	114.55	93.21
40	368.39	310.69	246.99	212.05	174.94	135.44	114.72	93.31
45	369.38	311.93	247.51	212.32	175.18	135.58	114.83	93.39
50	369.72	312.17	247.74	212.60	175.33	135.68	114.90	93.43

Table 5 - $\Delta f = 0.00125$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00125	0.00135	0.00138	0.00145	0.00150	0.00158	0.00165	0.00175
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	800.	741.	723.	690.	667.	632.	606.	571.

N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	753.11	751.39	750.70	749.33	748.30	746.25	744.56	741.53
10	1399.74	1387.89	1383.20	1372.77	1363.63	1349.03	1335.83	1313.35
15	1965.69	1924.13	1906.22	1871.39	1841.93	1787.67	1740.20	1657.46
20	2414.74	2305.98	2267.68	2180.17	2104.56	1968.05	1846.08	1637.58
25	2701.40	2495.66	2414.74	2242.85	2099.17	1839.87	1621.38	1318.63
30	2822.39	2484.31	2355.72	2088.46	1884.30	1567.10	1367.04	1159.11
35	2803.08	2345.60	2188.91	1886.47	1689.74	1436.56	1292.62	1138.96
40	2723.86	2218.55	2059.59	1785.72	1621.38	1411.81	1286.53	1140.55
45	2666.23	2165.76	2016.49	1764.57	1611.81	1413.02	1288.56	1139.76
50	2666.23	2162.90	2016.49	1762.67	1611.81	1413.02	1288.56	1139.76

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00125	0.00135	0.00138	0.00145	0.00150	0.00158	0.00165	0.00175
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	800.	741.	723.	690.	667.	632.	606.	571.

N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	328.09	327.06	326.73	326.02	325.43	324.34	323.38	321.85
10	604.91	597.85	595.46	589.88	585.46	577.21	570.18	558.32
15	838.70	815.73	806.89	788.26	773.01	745.24	720.65	680.54
20	1009.80	955.06	934.89	891.65	857.13	797.86	750.35	685.95
25	1103.67	1006.70	973.21	907.45	860.73	793.61	749.67	696.75
30	1129.54	1007.94	971.48	906.95	866.19	808.49	769.38	716.55
35	1129.54	1011.67	979.03	920.71	882.05	823.52	780.00	720.33
40	1133.45	1021.76	989.67	930.12	889.23	826.01	780.75	722.56
45	1138.17	1026.24	993.27	931.70	889.71	826.43	782.61	725.76
50	1138.17	1026.24	993.27	931.70	889.23	826.43	782.61	726.08

(Continued)

Table 5 - Δf = 0.00125 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00182	0.00192	0.00205	0.00225	0.00236	0.00250	0.00268	0.00292
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	549.	522.	488.	444.	424.	400.	373.	343.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	739.52	736.19	731.27	722.88	717.81	710.45	700.32	684.81
10	1295.69	1269.59	1228.65	1156.84	1108.90	1042.57	943.51	788.69
15	1591.45	1492.85	1333.66	1053.97	896.04	733.89	604.91	519.17
20	1474.04	1251.16	964.32	760.10	692.04	631.73	572.97	508.58
25	1150.97	995.08	860.73	738.52	684.53	629.55	569.58	510.01
30	1059.42	960.66	857.13	735.86	683.09	629.79	571.57	497.92
35	1054.65	961.78	854.45	736.19	684.81	625.46	557.18	490.61
40	1055.33	959.53	854.45	733.89	674.88	615.82	554.54	490.47
45	1053.97	959.53	853.56	728.99	673.27	615.36	554.54	490.47
50	1053.97	959.53	854.00	728.66	673.27	615.36	554.54	490.47

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00182	0.00192	0.00205	0.00225	0.00236	0.00250	0.00268	0.00292
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	549.	522.	488.	444.	424.	400.	373.	343.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	320.66	318.97	316.32	311.81	308.99	305.19	299.72	291.40
10	548.97	535.51	514.33	477.74	455.30	425.72	388.02	345.04
15	649.77	607.60	550.82	482.95	455.55	428.40	400.34	367.73
20	646.95	604.69	559.47	507.01	480.96	449.31	411.92	374.02
25	665.61	628.34	580.68	514.98	484.81	455.05	424.51	387.97
30	681.39	636.89	582.96	523.70	497.62	466.85	429.41	389.12
35	682.81	639.88	591.80	531.52	501.12	467.65	432.12	391.17
40	687.39	646.69	596.32	532.03	502.65	469.93	432.92	392.95
45	690.58	648.23	596.54	533.25	503.27	470.06	433.84	393.23
50	690.58	648.23	596.54	533.25	503.12	470.20	433.84	393.23

(Continued)

Table 5 - Δf = 0.00125 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00325	0.00375	0.00458	0.00525	0.00625	0.00792	0.00925	0.01125
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	308.	267.	218.	190.	160.	126.	108.	89.

N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	659.18	610.09	493.72	365.43	218.64	156.91	131.76	108.44
10	561.00	382.40	290.68	246.58	204.89	148.04	124.68	99.59
15	442.75	367.81	291.76	237.54	192.22	145.34	122.25	98.10
20	440.61	368.64	275.38	234.58	188.81	144.16	121.06	97.47
25	436.27	351.93	275.52	230.58	188.61	143.36	120.35	96.88
30	423.41	351.63	271.01	230.61	186.98	142.74	119.90	96.63
35	423.09	349.30	270.97	229.07	186.32	142.31	119.61	96.51
40	422.65	348.11	269.76	228.91	186.23	142.11	119.47	96.42
45	421.13	348.11	269.81	228.62	186.09	142.03	119.42	96.40
50	421.13	348.11	269.81	228.65	186.09	142.03	119.42	96.40

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00325	0.00375	0.00458	0.00525	0.00625	0.00792	0.00925	0.01125
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	308.	267.	218.	190.	160.	126.	108.	89.

N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	277.81	252.78	202.96	171.50	146.46	117.99	100.54	86.08
10	304.39	266.86	216.33	188.61	161.55	126.55	107.97	88.85
15	324.40	277.86	228.36	197.27	164.19	129.34	110.45	90.22
20	337.36	287.51	231.49	201.39	167.36	130.74	111.51	91.17
25	340.80	291.35	234.85	202.86	168.62	131.59	112.02	91.49
30	344.24	294.44	235.93	204.07	169.44	132.12	112.32	91.70
35	346.64	295.29	237.02	204.51	169.84	132.41	112.52	91.87
40	347.30	295.77	237.36	204.94	170.09	132.54	112.62	91.92
45	347.67	296.19	237.57	205.07	170.18	132.57	112.66	91.94
50	347.60	296.19	237.57	205.07	170.18	132.57	112.66	91.94

Table 6 - $\Delta f = 0.00150$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00150	0.00160	0.00163	0.00170	0.00175	0.00183	0.00190	0.00200
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	667.	625.	612.	588.	571.	545.	526.	500.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	749.67	747.62	746.93	745.24	743.88	741.53	739.85	736.53
10	1375.07	1359.10	1353.49	1341.30	1331.49	1314.40	1298.77	1273.53
15	1884.30	1829.59	1811.39	1768.38	1732.84	1669.28	1613.39	1519.15
20	2218.55	2091.13	2049.17	1942.38	1856.54	1709.00	1568.60	1359.61
25	2355.72	2118.16	2031.49	1850.25	1707.56	1472.72	1302.90	1102.19
30	2322.32	1994.40	1882.14	1665.49	1516.34	1312.29	1187.68	1049.92
35	2245.92	1888.65	1777.97	1579.18	1451.84	1282.50	1176.59	1050.59
40	2218.55	1867.12	1758.88	1568.60	1444.71	1282.50	1177.43	1050.59
45	2242.85	1875.67	1762.67	1567.10	1444.16	1281.50	1177.43	1051.27
50	2270.92	1871.39	1755.12	1559.69	1441.62	1282.50	1178.28	1051.27

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00150	0.00160	0.00163	0.00170	0.00175	0.00183	0.00190	0.00200
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	667.	625.	612.	588.	571.	545.	526.	500.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	326.15	325.05	324.66	323.76	323.06	321.85	320.78	319.10
10	591.37	582.96	579.86	573.57	568.20	558.89	550.63	537.09
15	794.38	766.50	756.59	734.54	717.18	685.67	658.92	616.98
20	910.98	849.13	827.27	782.99	750.35	698.23	661.09	619.99
25	941.88	855.78	829.78	781.49	750.01	704.84	674.10	633.69
30	941.88	859.38	835.71	792.84	764.00	720.02	687.39	641.63
35	944.23	868.03	849.75	800.98	770.11	722.88	688.55	642.69
40	948.97	869.87	846.06	801.37	770.97	722.88	688.84	643.90
45	947.87	869.87	846.06	800.98	769.38	721.29	687.39	643.39
50	948.92	869.91	849.75	797.86	766.14	719.70	687.10	643.19

(Continued)

Table 6 - Δf = 0.00150 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00207	0.00217	0.00230	0.00250	0.00261	0.00275	0.00293	0.00317
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	483.	462.	435.	400.	383.	364.	341.	316.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	733.89	730.61	725.12	715.93	710.03	702.42	691.45	674.66
10	1253.08	1224.06	1177.43	1096.29	1043.90	970.33	863.00	701.22
15	1444.16	1333.66	1159.93	886.34	769.05	645.93	557.37	488.13
20	1203.38	1024.32	846.94	700.02	648.74	598.50	544.77	484.95
25	998.72	898.49	800.59	695.56	647.46	595.67	542.79	486.68
30	975.53	894.08	800.98	692.62	646.18	596.98	540.10	474.01
35	976.69	893.59	799.41	693.21	644.66	590.73	532.38	472.50
40	976.69	893.10	799.41	691.75	642.38	589.03	532.38	472.37
45	976.69	893.59	802.15	693.21	642.13	588.82	532.38	473.05
50	978.44	898.98	806.50	692.04	641.88	589.03	533.42	474.01

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00207	0.00217	0.00230	0.00250	0.00261	0.00275	0.00293	0.00317
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	483.	462.	435.	400.	383.	364.	341.	316.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	317.73	315.84	312.94	308.00	304.90	300.76	294.86	286.01
10	526.73	511.40	488.27	449.06	425.83	396.85	362.44	326.41
15	586.71	548.23	501.42	449.92	428.62	406.20	380.89	349.23
20	587.13	556.43	520.37	473.05	448.20	418.97	387.47	356.60
25	607.60	574.37	530.83	476.21	452.78	428.17	400.05	364.45
30	611.69	575.99	534.64	485.67	461.46	433.15	401.42	366.82
35	613.98	580.68	539.92	487.26	462.11	434.42	403.10	367.40
40	615.59	581.92	540.10	487.55	462.63	434.65	403.20	367.89
45	615.59	581.71	539.57	487.55	462.37	434.07	403.00	367.73
50	614.67	580.68	539.57	486.68	461.46	433.76	402.60	367.64

(Continued)

Table 6 - Δf = 0.00150 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00350	0.00400	0.00483	0.00550	0.00650	0.00817	0.00950	0.01150
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	286.	250.	207.	182.	154.	122.	105.	87.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	646.95	594.81	471.41	340.38	210.23	154.47	129.79	107.38
10	498.98	363.32	282.56	240.43	200.75	145.71	123.05	98.32
15	425.17	354.82	282.36	230.68	188.42	142.95	120.77	97.08
20	424.18	352.38	268.35	229.48	185.27	141.81	119.63	96.53
25	414.63	341.30	248.00	225.85	184.93	141.21	118.99	95.93
30	409.04	341.08	269.88	225.69	183.93	140.82	118.55	95.80
35	408.83	339.11	269.75	224.82	183.54	140.61	118.39	95.73
40	408.63	339.04	269.41	224.79	183.54	140.53	118.36	95.70
45	408.73	339.18	269.41	224.82	183.54	140.56	118.39	95.71
50	408.73	339.67	269.66	225.09	183.63	140.61	118.42	95.73

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00350	0.00400	0.00483	0.00550	0.00650	0.00817	0.00950	0.01150
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	286.	250.	207.	182.	154.	122.	105.	87.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	271.51	245.18	195.69	147.16	144.09	115.82	99.44	85.09
10	292.70	258.40	209.39	184.68	157.76	124.36	106.61	87.87
15	308.64	268.88	220.50	192.22	160.76	127.10	108.82	89.09
20	322.23	275.48	223.63	195.66	163.33	128.36	109.68	89.93
25	324.34	278.52	224.41	196.60	164.36	129.02	110.10	90.25
30	326.08	281.01	227.35	197.53	165.04	129.38	110.35	90.39
35	327.71	281.49	227.98	197.89	165.19	129.53	110.46	90.47
40	327.78	281.58	228.08	197.98	165.25	129.56	110.48	90.49
45	327.65	281.49	228.01	197.91	165.22	129.54	110.47	90.48
50	327.32	281.39	227.92	197.84	165.15	129.50	110.45	90.46

Table 7 - $\Delta f = 0.00175$

Response = 0.8

CUTOFF FREQ. (1/M)	=	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M)	=	0.00175	0.00185	0.00188	0.00195	0.00200	0.00208	0.00215	0.00225
CUTOFF WAVL. (M)	=	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M)	=	571.	541.	531.	513.	500.	480.	465.	444.
N		WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5		745.57	743.21	742.20	740.52	738.85	736.53	734.21	730.61
10		1344.60	1327.18	1319.69	1306.02	1294.67	1279.52	1256.92	1227.73
15		1783.78	1721.91	1698.70	1649.12	1610.22	1536.24	1472.72	1368.18
20		1999.27	1854.94	1801.43	1689.94	1599.22	1441.62	1311.24	1124.12
25		2001.71	1748.38	1688.20	1526.22	1409.38	1234.20	1117.98	984.32
30		1924.13	1660.82	1577.66	1422.84	1319.69	1177.43	1084.67	974.37
35		1901.80	1642.51	1561.12	1411.81	1313.35	1174.90	1084.67	975.53
40		1933.22	1652.45	1565.60	1409.38	1309.15	1172.38	1084.67	976.11
45		1949.32	1644.15	1555.20	1400.94	1304.98	1173.22	1085.39	976.11
50		1942.38	1632.69	1547.85	1398.55	1304.98	1173.22	1086.11	979.03

Response = 0.2

CUTOFF FREQ. (1/M)	=	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M)	=	0.00175	0.00185	0.00188	0.00195	0.00200	0.00208	0.00215	0.00225
CUTOFF WAVL. (M)	=	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M)	=	571.	541.	531.	513.	500.	480.	465.	444.
N		WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5		323.95	322.41	322.17	321.22	320.41	319.03	317.80	315.90
10		575.18	565.45	561.96	554.35	548.42	537.62	528.43	513.36
15		742.53	710.34	698.83	674.93	655.75	622.85	596.11	556.62
20		804.52	744.56	724.80	687.10	661.04	622.37	595.89	561.96
25		806.89	744.90	726.72	693.21	670.51	636.64	611.69	577.00
30		811.29	753.11	735.53	702.12	678.85	642.38	615.36	578.22
35		813.30	754.50	734.86	703.03	679.13	642.38	615.36	578.84
40		812.50	754.85	734.86	702.42	678.01	640.13	613.29	577.61
45		813.30	753.96	734.54	699.13	674.93	638.63	612.60	577.61
50		812.09	751.04	732.57	698.23	674.66	638.63	612.37	576.80

(Continued)

Table 7 - $\Delta f = 0.00175$ (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00232	0.00242	0.00255	0.00275	0.00286	0.00300	0.00318	0.00342
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	431.	414.	392.	364.	350.	333.	315.	293.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	728.02	723.83	718.12	707.89	701.82	693.50	681.39	663.95
10	1205.15	1172.38	1121.09	1030.76	972.63	893.10	778.89	619.08
15	1205.52	1166.54	992.07	758.69	667.51	589.25	524.09	467.11
20	1007.94	884.90	766.50	657.86	614.90	569.58	519.39	469.60
25	912.00	836.13	753.46	657.33	613.29	567.02	518.89	469.46
30	909.97	837.41	753.11	656.02	613.52	567.02	519.33	456.32
35	910.48	836.99	752.77	656.28	612.83	565.26	512.72	456.32
40	910.98	836.99	754.50	659.71	614.67	565.06	512.56	456.99
45	912.00	841.28	760.45	659.71	613.52	564.87	512.72	458.10
50	916.59	846.06	760.81	658.92	613.52	565.06	519.17	457.97

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00232	0.00242	0.00255	0.00275	0.00286	0.00300	0.00318	0.00342
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	431.	414.	392.	364.	350.	333.	315.	293.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	314.49	312.34	309.16	303.72	300.93	295.93	289.60	280.19
10	501.73	485.24	460.16	419.62	396.95	370.13	340.66	311.09
15	530.31	499.13	463.41	423.52	405.70	385.73	361.72	331.16
20	541.17	516.11	489.38	440.13	417.59	392.67	366.98	340.23
25	553.79	524.37	487.69	444.07	424.51	402.21	375.56	343.80
30	554.54	526.39	492.53	449.06	427.61	403.50	376.51	345.54
35	555.48	527.58	493.27	449.18	427.84	403.89	376.77	345.69
40	555.11	527.58	492.68	448.69	427.72	403.60	376.08	345.40
45	554.54	526.39	492.38	448.45	426.83	402.90	375.91	345.11
50	553.98	526.73	492.23	447.83	426.72	402.70	375.82	344.96

(Continued)

Table 7 - Δf = 0.00175 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00375	0.00425	0.00508	0.00575	0.00675	0.00842	0.00975	0.01175
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	267.	235.	197.	174.	148.	119.	103.	85.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	633.93	578.22	448.08	316.69	203.09	152.12	127.93	106.30
10	453.16	348.19	274.78	234.81	196.53	143.56	121.54	97.17
15	409.04	343.44	272.86	224.92	184.91	140.83	119.36	96.10
20	408.83	337.71	261.87	224.61	182.14	139.75	118.23	95.60
25	397.72	331.69	260.91	221.54	181.59	139.30	117.40	95.11
30	396.18	331.43	259.30	221.27	181.17	139.12	117.35	95.04
35	396.08	330.89	259.30	221.03	181.03	139.08	117.33	95.03
40	397.24	330.82	259.43	221.30	181.19	139.10	117.38	95.05
45	396.95	331.36	259.59	221.24	181.17	139.14	117.40	95.07
50	397.04	331.43	259.67	221.39	181.23	139.18	117.40	95.08

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00375	0.00425	0.00508	0.00575	0.00675	0.00842	0.00975	0.01175
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	267.	235.	197.	174.	148.	119.	103.	85.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	264.75	237.29	188.92	163.23	141.80	113.72	98.41	83.97
10	282.36	249.97	203.39	180.87	154.01	122.14	105.25	86.89
15	294.97	260.17	213.24	187.17	157.44	124.82	107.15	88.02
20	306.79	264.71	214.39	189.86	159.28	125.96	107.84	88.68
25	308.81	266.82	218.56	190.61	160.23	126.47	108.20	88.96
30	309.57	268.22	219.17	191.26	160.57	126.66	108.36	89.06
35	309.92	268.39	219.32	191.32	160.60	126.69	108.38	89.07
40	309.75	268.13	219.17	191.26	160.56	126.66	108.36	89.06
45	309.39	267.95	219.05	191.17	160.48	126.62	108.33	89.04
50	309.34	267.91	218.99	191.12	160.45	126.60	108.31	89.03

Table 8 - $\Delta f = 0.00200$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00200	0.00210	0.00213	0.00220	0.00225	0.00233	0.00240	0.00250
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	500.	476.	469.	455.	444.	429.	417.	400.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	740.85	738.18	737.19	734.87	733.23	730.61	728.02	724.15
10	1310.20	1288.56	1281.50	1264.69	1252.12	1228.65	1208.71	1176.59
15	1670.98	1599.22	1573.12	1517.74	1472.72	1392.61	1322.89	1210.49
20	1768.38	1614.98	1561.12	1449.27	1363.63	1219.50	1111.16	969.18
25	1698.70	1499.68	1434.05	1308.10	1222.23	1095.55	1011.67	910.48
30	1664.20	1463.51	1399.74	1281.50	1201.61	1085.39	1007.32	910.48
35	1691.69	1475.37	1406.96	1281.50	1198.10	1081.81	1005.96	910.98
40	1705.78	1468.76	1397.36	1272.54	1192.00	1081.10	1004.70	911.99
45	1696.19	1458.30	1389.06	1269.59	1192.00	1081.81	1004.70	913.01
50	1691.69	1457.00	1389.06	1269.59	1192.00	1081.81	1006.70	914.03

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00200	0.00210	0.00213	0.00220	0.00225	0.00233	0.00240	0.00250
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	500.	476.	469.	455.	444.	429.	417.	400.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	321.35	319.91	319.35	318.23	317.37	315.84	314.50	312.34
10	556.43	545.13	541.17	532.73	525.89	514.01	503.74	487.26
15	684.52	649.77	637.63	612.60	593.73	562.54	538.68	505.76
20	706.66	657.07	641.63	613.52	594.38	566.04	545.86	518.89
25	708.50	663.19	649.51	623.80	605.58	577.21	555.86	525.72
30	711.57	666.42	652.36	625.94	607.15	577.82	556.05	526.06
35	710.96	666.42	652.62	625.70	606.48	576.19	553.98	524.37
40	711.57	665.34	650.55	622.61	603.35	573.97	552.86	524.20
45	710.34	663.19	648.74	621.67	603.13	574.17	552.86	523.53
50	709.72	663.19	648.74	621.90	603.13	573.97	552.67	523.70

(Continued)

Table 8 - Δf = 0.00200 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00257	0.00267	0.00280	0.00300	0.00311	0.00325	0.00343	0.00367
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	389.	375.	357.	333.	321.	308.	292.	273.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	720.97	716.87	710.34	699.42	692.62	683.66	670.79	651.58
10	1150.97	1114.94	1058.06	959.53	897.02	812.50	695.56	549.52
15	1124.89	1007.94	850.90	672.99	608.28	550.63	498.83	448.82
20	886.82	800.98	714.06	624.75	586.08	543.69	496.71	446.86
25	852.22	787.50	712.81	624.27	584.20	542.07	494.71	444.55
30	853.56	787.88	712.19	624.03	584.41	541.71	494.46	441.68
35	854.00	788.26	712.50	626.90	587.77	543.87	494.31	441.68
40	854.45	790.16	717.81	630.28	588.19	542.41	494.31	442.03
45	857.58	794.76	720.33	628.82	587.35	542.79	494.76	443.23
50	858.48	795.15	719.70	628.58	587.35	542.79	495.06	442.99

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00257	0.00267	0.00280	0.00300	0.00311	0.00325	0.00343	0.00367
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	389.	375.	357.	333.	321.	308.	292.	273.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	310.74	308.46	304.96	299.11	295.55	290.73	283.93	273.82
10	474.55	456.95	430.87	391.07	370.22	347.01	322.55	298.03
15	485.09	461.07	433.50	400.54	384.65	366.00	342.87	314.26
20	501.27	479.13	450.05	410.06	390.89	370.39	348.71	323.89
25	505.41	481.53	451.79	415.15	397.43	376.95	352.91	325.43
30	506.54	482.95	453.79	416.31	398.01	377.12	353.37	326.02
35	505.45	482.52	453.54	415.68	397.53	377.03	353.14	325.43
40	505.29	481.81	452.66	415.78	397.24	376.17	352.53	325.18
45	504.67	481.81	453.03	415.15	396.85	376.08	352.38	326.24
50	504.82	481.81	452.78	415.15	396.85	376.08	352.46	325.18

(Continued)

Table 8 - $\Delta f = 0.00200$ (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00400	0.00450	0.00533	0.00600	0.00700	0.00867	0.01000	0.01200
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	250.	222.	187.	167.	143.	115.	100.	83.

N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	620.02	560.81	423.85	295.02	196.96	149.84	126.15	105.21
10	419.83	335.70	267.43	229.71	192.18	141.53	120.10	96.12
15	393.99	333.25	263.69	219.99	181.69	138.94	117.99	95.16
20	393.99	325.50	255.82	219.88	179.27	137.96	116.87	94.70
25	384.74	322.93	254.79	217.60	178.72	137.67	116.38	94.38
30	384.56	322.81	254.27	217.51	178.62	137.65	116.31	94.35
35	384.83	323.25	254.67	217.54	178.70	137.71	116.36	94.38
40	386.28	323.12	254.67	217.83	178.85	137.76	116.39	94.41
45	385.82	323.63	254.87	217.77	178.85	137.77	116.39	94.41
50	385.82	323.51	254.83	217.83	178.85	137.78	116.40	94.42

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00400	0.00450	0.00533	0.00600	0.00700	0.00867	0.01000	0.01200
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	250.	222.	187.	167.	143.	115.	100.	83.

N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	257.59	229.23	182.72	159.68	139.54	111.69	97.40	82.88
10	272.77	241.53	197.48	177.11	150.36	119.93	103.86	85.88
15	283.09	251.42	204.70	182.07	154.14	122.50	105.43	86.97
20	291.97	254.55	209.63	184.18	155.34	123.52	106.01	87.46
25	293.70	255.86	211.01	184.89	156.12	123.88	106.31	87.66
30	293.91	256.30	211.17	185.12	156.21	123.94	106.37	87.71
35	293.70	256.22	211.04	185.01	156.12	123.89	106.34	87.68
40	293.59	255.94	210.90	184.95	156.09	123.84	106.30	87.66
45	293.33	255.86	210.88	184.87	156.03	123.83	106.28	87.65
50	293.33	255.82	210.88	184.89	156.03	123.84	106.28	87.65

Table 9 - $\Delta f = 0.00250$

Response = 0.8

CUTOFF FREQ. (1/M) =		0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =		0.00250	0.00260	0.00263	0.00270	0.00275	0.00283	0.00290	0.00300
CUTOFF WAVL. (M) =		INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =		400.	385.	380.	370.	364.	353.	345.	333.
	N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
	5	729.31	725.76	724.47	721.92	720.02	716.55	713.93	708.80
	10	1224.97	1198.10	1188.54	1168.20	1151.78	1123.35	1099.23	1059.42
	15	1314.24	1329.33	1298.77	1237.00	1187.68	1102.93	1033.36	929.59
	20	1357.98	1229.57	1186.82	1104.42	1045.23	959.50	890.68	808.89
	25	1334.75	1204.26	1162.40	1082.52	1026.24	941.34	881.57	805.70
	30	1362.49	1214.98	1167.37	1080.38	1021.13	935.96	877.79	804.52
	35	1357.98	1202.50	1155.84	1071.90	1015.43	934.36	878.26	805.31
	40	1353.49	1199.85	1154.21	1071.20	1015.43	934.89	878.26	805.70
	45	1354.61	1199.85	1154.21	1071.20	1016.06	933.83	876.85	804.52
	50	1354.61	1200.73	1155.02	1071.20	1014.80	932.23	876.38	806.50

Response = 0.2

CUTOFF FREQ. (1/M) =		0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =		0.00250	0.00260	0.00263	0.00270	0.00275	0.00283	0.00290	0.00300
CUTOFF WAVL. (M) =		INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =		400.	385.	380.	370.	364.	353.	345.	333.
	N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
	5	315.17	313.30	312.69	311.28	310.16	308.29	306.67	304.17
	10	511.45	497.46	492.53	482.38	474.28	460.16	448.45	430.20
	15	545.26	533.59	523.37	503.89	490.17	469.12	453.91	433.73
	20	547.02	537.62	528.60	511.28	499.13	479.84	465.39	444.67
	25	548.99	539.92	530.83	513.20	500.81	480.82	465.79	444.67
	30	549.19	540.10	530.83	512.56	499.44	478.71	463.28	442.39
	35	548.40	537.97	528.43	510.17	497.31	477.60	462.89	442.39
	40	547.80	537.62	528.26	510.33	497.46	477.60	462.76	442.15
	45	547.41	537.44	526.26	510.33	497.62	477.46	462.50	441.92
	50	547.41	537.44	527.92	509.69	496.86	476.90	462.29	441.92

(Continued)

Table 9 - Δf = 0.00250 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00307	0.00317	0.00330	0.00350	0.00361	0.00375	0.00393	0.00417
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	326.	316.	303.	286.	277.	267.	256.	240.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	705.14	700.02	692.62	679.69	671.89	661.58	646.95	624.99
10	1028.82	985.50	919.16	807.29	740.19	655.23	554.17	454.80
15	858.48	773.01	676.05	576.80	538.15	499.74	460.42	417.16
20	760.45	705.75	643.39	570.18	536.39	499.28	459.13	416.00
25	759.40	706.36	644.15	569.78	535.86	499.28	459.64	416.36
30	759.75	706.97	644.66	571.97	539.57	503.74	462.37	415.15
35	760.10	708.19	648.23	576.39	541.71	503.12	461.20	415.26
40	761.16	709.72	649.51	575.58	540.99	502.96	461.20	415.47
45	760.81	710.96	650.80	575.79	540.99	502.65	460.99	416.00
50	763.64	712.81	651.36	575.79	540.64	502.81	461.85	416.10

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00307	0.00317	0.00330	0.00350	0.00361	0.00375	0.00393	0.00417
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	326.	316.	303.	286.	277.	267.	255.	240.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	302.20	299.50	295.39	288.63	284.52	279.00	271.33	260.09
10	416.95	399.07	374.79	342.58	327.52	311.45	294.60	276.31
15	420.80	405.29	385.64	358.87	344.89	328.04	308.17	286.01
20	430.76	413.06	390.42	361.48	347.67	332.23	314.20	292.39
25	430.53	413.16	391.26	363.00	349.08	333.04	314.32	292.49
30	428.84	412.23	390.89	362.36	348.34	332.50	314.14	291.97
35	428.73	411.71	390.23	362.44	348.41	332.16	313.48	291.76
40	428.51	411.71	390.42	362.28	348.19	332.10	313.54	291.71
45	428.51	411.81	390.42	362.20	348.19	332.03	313.42	291.71
50	428.40	411.61	390.33	361.96	347.89	331.96	313.36	291.66

(Continued)

Table 9 - $\Delta f = 0.00250$ (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00450	0.00500	0.00583	0.00650	0.00750	0.00917	0.01050	0.01250
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	222.	200.	171.	154.	133.	109.	95.	80.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	589.25	522.70	374.62	259.55	187.00	145.42	122.92	102.94
10	376.08	315.65	253.92	220.65	183.32	137.74	117.44	94.28
15	367.73	315.11	247.96	211.69	175.88	135.52	115.30	93.98
20	366.66	307.71	245.25	211.20	174.07	134.90	114.40	93.09
25	364.29	307.71	245.25	210.58	174.05	134.90	114.34	93.05
30	364.21	308.75	245.21	211.07	174.14	135.02	114.42	93.08
35	365.18	308.70	245.66	210.93	174.21	135.05	114.43	93.13
40	365.18	308.70	245.55	211.04	174.25	135.03	114.43	93.12
45	365.27	308.81	245.58	210.98	174.23	135.03	114.44	93.13
50	365.18	308.93	245.66	211.09	174.29	135.05	114.45	93.13

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00450	0.00500	0.00583	0.00650	0.00750	0.00917	0.01050	0.01250
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	222.	200.	171.	154.	133.	109.	95.	80.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	242.28	212.99	172.11	153.40	135.05	107.94	95.48	80.68
10	254.71	224.82	187.77	169.44	143.73	115.69	100.95	83.79
15	262.50	233.57	194.80	172.11	147.34	117.95	102.01	84.81
20	264.08	234.98	196.53	173.68	147.93	118.67	102.44	85.06
25	264.60	235.08	196.63	173.81	148.10	118.78	102.54	85.09
30	264.08	234.85	196.42	173.72	147.96	118.72	102.44	85.05
35	265.91	234.68	196.34	173.54	147.92	118.67	102.45	85.03
40	265.91	234.68	196.30	173.59	147.90	118.65	102.45	85.03
45	265.87	234.68	196.30	173.55	147.89	118.64	102.44	85.03
50	265.78	234.61	196.23	173.53	147.86	118.63	102.44	85.02

Table 10 - $\Delta f = 0.00300$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00300	0.00310	0.00313	0.00320	0.00325	0.00333	0.00340	0.00350
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	333.	323.	319.	313.	308.	300.	294.	286.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	714.99	710.96	709.42	706.36	703.93	699.72	696.15	690.68
10	1121.81	1089.00	1077.54	1053.29	1034.02	1000.55	972.63	927.48
15	1157.47	1075.42	1047.24	990.27	947.87	878.26	825.18	762.08
20	1108.90	1019.22	990.27	933.30	893.10	829.78	784.11	723.52
25	1135.81	1032.06	998.72	935.93	891.16	825.60	779.63	720.65
30	1130.32	1021.13	987.88	926.93	884.93	822.70	778.89	720.97
35	1127.99	1019.86	986.69	925.91	884.93	822.70	778.89	720.65
40	1129.54	1019.86	987.29	926.93	884.90	821.87	777.91	719.39
45	1129.54	1020.49	987.29	925.91	883.96	821.96	777.78	721.29
50	1129.54	1020.49	987.29	926.39	883.00	820.23	777.06	721.29

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00300	0.00310	0.00313	0.00320	0.00325	0.00333	0.00340	0.00350
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	333.	323.	319.	313.	308.	300.	294.	286.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	307.48	305.24	304.45	302.76	301.48	299.22	297.38	294.39
10	458.61	442.75	437.31	426.06	417.59	403.20	391.73	374.88
15	471.01	449.55	442.87	430.20	421.35	407.41	397.14	382.58
20	474.42	453.91	447.47	434.99	425.95	411.61	400.73	385.19
25	474.28	454.04	447.47	434.65	425.28	410.27	398.88	383.03
30	473.46	452.16	445.40	432.47	423.30	408.63	398.01	382.76
35	473.18	452.03	445.28	432.58	423.41	408.94	398.10	382.67
40	472.77	452.03	445.28	432.47	423.20	408.43	397.43	382.22
45	472.69	451.54	444.79	431.90	422.76	408.22	397.43	382.22
50	472.77	451.54	444.79	431.90	422.76	408.32	397.63	382.22

(Continued)

Table 10 - Δf = 0.00300 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00357	0.00367	0.00380	0.00400	0.00411	0.00425	0.00443	0.00467
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	280.	273.	243.	250.	243.	235.	226.	214.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	686.24	680.54	671.61	657.07	648.23	636.15	619.56	594.81
10	893.10	844.75	773.38	661.31	601.14	533.59	464.60	402.01
15	706.05	652.42	592.01	524.71	495.36	463.94	429.29	390.05
20	685.38	641.13	588.41	525.38	495.96	463.81	428.51	389.68
25	684.23	641.13	589.25	525.72	496.86	466.18	432.24	392.57
30	684.52	641.43	590.73	529.80	601.27	468.85	432.24	391.54
35	684.52	641.43	591.37	530.31	501.12	468.95	432.12	391.95
40	683.95	643.14	593.73	531.00	501.27	468.58	431.78	391.73
45	686.24	644.66	594.16	531.17	501.27	468.95	432.35	392.10
50	686.24	644.66	593.95	531.00	500.96	468.18	432.35	392.10

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00357	0.00367	0.00380	0.00400	0.00411	0.00425	0.00443	0.00467
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	280.	273.	243.	250.	243.	235.	226.	214.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	292.13	288.98	284.27	276.55	271.91	265.74	257.19	244.85
10	363.32	348.78	330.49	307.77	297.27	285.71	272.68	257.19
15	372.83	360.44	343.95	320.91	309.10	295.55	280.28	263.22
20	374.71	361.48	344.45	321.92	310.80	298.08	283.14	265.31
25	372.58	359.73	343.52	321.54	310.33	297.43	282.56	265.09
30	372.49	359.65	343.01	321.16	310.27	297.49	282.36	264.54
35	372.32	359.50	343.16	321.29	310.21	297.32	282.36	264.54
40	372.15	359.57	343.08	321.10	310.10	297.22	282.17	264.49
45	372.07	359.34	342.94	320.97	309.86	297.11	282.12	264.36
50	372.07	359.42	343.08	320.97	309.92	297.11	282.17	264.41

(Continued)

Table 10 - Δf = 0.00300 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00500	0.00550	0.00633	0.00700	0.00800	0.00967	0.01100	0.01300
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	200.	182.	158.	143.	125.	103.	91.	77.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	554.73	480.96	327.58	234.09	179.19	141.17	120.05	100.51
10	348.56	299.28	242.24	212.96	174.88	139.18	114.88	92.65
15	346.35	298.91	236.57	209.53	170.57	132.94	112.76	91.98
20	345.84	294.49	236.20	209.30	169.53	132.19	112.41	91.77
25	345.98	294.49	237.02	209.35	169.81	132.33	112.52	91.82
30	346.06	295.50	236.85	209.66	169.91	132.39	112.62	91.85
35	346.27	295.34	237.02	209.61	169.88	132.40	112.53	91.86
40	346.71	295.23	237.02	209.71	169.93	132.42	112.55	91.87
45	346.71	295.55	237.12	209.74	169.95	132.43	112.66	91.88
50	346.57	295.55	237.12	209.74	169.95	132.42	112.56	91.87

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00500	0.00550	0.00633	0.00700	0.00800	0.00967	0.01100	0.01300
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	200.	182.	158.	143.	125.	103.	91.	77.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	226.06	197.62	163.50	147.89	130.52	104.67	93.58	78.56
10	237.05	209.47	179.17	161.46	137.93	111.06	97.90	81.65
15	243.14	216.59	183.52	163.10	140.51	113.71	98.79	82.54
20	243.76	217.34	183.96	163.86	140.77	114.04	98.98	82.62
25	243.28	216.93	183.81	163.68	140.68	113.94	98.93	82.57
30	243.07	216.82	183.58	163.59	140.59	113.89	98.88	82.55
35	243.10	216.76	183.61	163.57	140.58	113.90	98.88	82.55
40	243.07	216.68	183.54	163.55	140.56	113.88	98.87	82.55
45	242.96	216.65	183.50	163.50	140.53	113.86	98.85	82.54
50	243.00	216.65	183.52	163.52	140.53	113.87	98.86	82.54

Table 11 - $\Delta f = 0.00400$

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00400	0.00410	0.00413	0.00420	0.00425	0.00433	0.00440	0.00450
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	250.	244.	242.	238.	235.	231.	227.	222.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	678.29	672.44	670.24	666.15	662.92	657.33	652.62	645.17
10	883.00	843.88	830.62	802.94	781.87	745.57	716.24	671.89
15	832.31	781.49	764.71	731.92	707.89	669.69	640.88	600.70
20	852.67	791.31	771.19	733.23	706.46	665.34	635.65	596.11
25	845.63	784.11	764.71	728.34	702.72	663.45	634.92	596.11
30	846.94	784.49	765.07	728.66	703.03	663.45	634.92	595.02
35	846.94	784.86	765.43	728.66	702.72	662.92	633.93	595.02
40	847.38	784.49	764.71	727.05	700.92	660.78	631.98	594.16
45	846.50	782.99	763.29	725.76	699.72	660.25	631.98	594.38
50	847.38	782.61	762.58	724.80	699.13	659.78	631.98	594.38

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00400	0.00410	0.00413	0.00420	0.00425	0.00433	0.00440	0.00450
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	250.	244.	242.	238.	235.	231.	227.	222.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	287.67	284.57	283.48	281.29	279.57	276.59	274.14	270.25
10	353.22	340.45	336.39	328.50	322.81	313.84	307.13	297.76
15	355.75	344.17	340.45	333.18	327.91	319.47	312.94	303.55
20	355.83	343.95	340.09	332.50	326.99	318.04	311.22	301.54
25	354.90	342.87	339.04	331.56	326.21	317.55	310.98	301.54
30	354.59	342.80	338.97	331.56	326.15	317.37	310.63	301.15
35	354.44	342.51	338.62	331.16	325.69	317.06	310.45	301.04
40	354.59	342.58	338.76	331.29	325.89	317.24	310.57	301.15
45	354.67	342.73	338.83	331.36	325.89	317.24	310.63	301.26
50	354.75	342.65	338.76	331.22	325.82	317.24	310.63	301.26

(Continued)

Table 11 - Δf = 0.00400 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00457	0.00467	0.00480	0.00500	0.00511	0.00525	0.00543	0.00567
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	219.	214.	208.	200.	196.	190.	184.	176.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	639.63	631.98	620.49	601.80	590.52	575.58	554.92	529.20
10	640.38	599.38	545.50	477.04	446.13	414.00	381.16	347.74
15	574.37	542.61	503.58	455.30	432.70	407.61	379.57	347.82
20	570.77	540.64	503.27	455.81	433.27	408.53	381.51	351.32
25	571.17	540.82	503.43	456.75	435.11	410.88	383.30	351.32
30	569.78	539.57	503.43	458.61	436.85	411.92	383.66	351.40
35	570.37	540.99	504.98	459.13	436.96	412.02	383.66	351.32
40	569.98	540.99	504.98	459.00	436.85	411.50	383.03	351.17
45	570.18	540.99	504.82	458.79	436.38	411.30	383.12	351.17
50	570.18	541.35	505.29	458.99	436.15	411.19	383.21	351.25

Response = 0.2

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00457	0.00467	0.00480	0.00500	0.00511	0.00525	0.00543	0.00567
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	219.	214.	208.	200.	196.	190.	184.	176.
N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
5	267.38	263.39	257.47	248.00	242.46	235.25	225.63	212.54
10	291.50	283.78	273.82	260.33	253.33	244.96	234.64	221.57
15	297.16	288.88	278.00	262.96	255.34	246.43	236.00	223.54
20	295.07	286.96	276.45	262.08	254.63	245.84	235.42	223.08
25	295.18	287.01	276.36	261.83	254.43	245.84	235.55	223.02
30	294.70	286.71	276.22	261.83	254.39	245.73	235.45	222.93
35	294.70	286.66	276.08	261.70	254.31	245.66	235.28	222.81
40	294.76	286.76	276.31	261.83	254.39	245.73	235.35	222.90
45	294.91	286.86	276.31	261.87	254.47	245.73	235.42	222.93
50	294.91	286.91	276.36	261.83	254.43	245.73	235.42	222.93

(Continued)

Table 11 - Δf = 0.00400 (Continued)

Response = 0.8

CUTOFF FREQ. (1/M) =		0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =		0.00400	0.00650	0.00733	0.00800	0.00900	0.01067	0.01200	0.01400
CUTOFF WAVL. (M) =		500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =		167.	154.	136.	125.	111.	94.	83.	71.
	N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
	5	475.66	390.70	254.58	202.96	167.28	133.28	115.16	95.25
	10	312.96	271.69	223.57	196.82	162.02	127.84	109.85	89.65
	15	311.99	270.92	220.85	192.29	161.91	127.14	108.77	89.31
	20	315.11	271.33	221.12	193.11	161.57	127.34	108.90	89.42
	25	319.32	271.42	221.51	192.92	161.76	127.41	108.91	89.42
	30	319.08	271.87	221.42	193.08	161.83	127.46	108.93	89.43
	35	319.56	271.87	221.66	193.08	161.84	127.47	108.95	89.45
	40	319.56	271.64	221.51	193.06	161.83	127.44	108.93	89.44
	45	319.38	271.69	221.51	193.01	161.78	127.43	108.93	89.44
	50	319.32	271.69	221.51	193.04	161.78	127.43	108.93	89.43

Response = 0.2

CUTOFF FREQ. (1/M) =		0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =		0.00400	0.00650	0.00733	0.00800	0.00900	0.01067	0.01200	0.01400
CUTOFF WAVL. (M) =		500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =		167.	154.	136.	125.	111.	94.	83.	71.
	N	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
	5	194.85	173.07	150.31	137.99	121.26	99.34	89.67	74.90
	10	205.04	185.64	162.29	145.95	127.48	105.05	92.07	77.68
	15	208.17	188.55	163.00	146.94	128.16	105.58	92.56	78.11
	20	207.88	188.05	162.58	146.79	127.96	105.45	92.47	78.04
	25	207.59	188.03	162.58	146.67	127.92	105.43	92.44	78.02
	30	207.46	187.99	162.52	146.65	127.89	105.42	92.43	78.01
	35	207.41	187.92	162.48	146.59	127.86	105.39	92.41	77.99
	40	207.48	187.97	162.52	146.63	127.89	105.41	92.42	78.01
	45	207.51	188.01	162.53	146.65	127.90	105.42	92.43	78.01
	50	207.51	188.01	162.53	146.65	127.90	105.42	92.43	78.01

Appendix C

TABLES OF THE RMS DIFFERENCE BETWEEN THE GAIN AND RESPONSE FUNCTIONS

Table 1 - $\Delta f = 0.00030$

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00021	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00030	0.00040	0.00043	0.00050	0.00055	0.00063	0.00070	0.00080
CUTOFF AAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN AAVL. (M) =	3333.	2500.	2308.	2000.	1818.	1579.	1429.	1250.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.31843	0.30912	0.30536	0.29927	0.29901	0.28500	0.27868	0.26771
10	0.21873	0.20508	0.19966	0.19084	0.18338	0.17047	0.16144	0.14679
15	0.16966	0.15252	0.14575	0.13484	0.12596	0.11068	0.10149	0.08494
20	0.13801	0.11815	0.11030	0.09800	0.08864	0.07307	0.06449	0.05753
25	0.11511	0.09295	0.08433	0.07192	0.06299	0.05026	0.04999	0.05071
30	0.09726	0.07339	0.06436	0.05197	0.04634	0.03999	0.04632	0.05190
35	0.08272	0.05780	0.04882	0.03851	0.03759	0.03818	0.04692	0.04929
40	0.07051	0.04532	0.03701	0.03064	0.03486	0.03880	0.04597	0.04211
45	0.06006	0.03554	0.02867	0.02751	0.03497	0.03806	0.04177	0.03213
50	0.05100	0.02825	0.02366	0.02718	0.03529	0.03478	0.03502	0.02467

CUTOFF FREQ. (1/M) =	0.00067	0.00067	0.00069	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00087	0.00097	0.00110	0.00130	0.00141	0.00155	0.00173	0.00197
CUTOFF AAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN AAVL. (M) =	1149.	1034.	909.	769.	709.	645.	579.	508.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.26045	0.25032	0.23581	0.21601	0.20918	0.19113	0.17616	0.15793
10	0.13773	0.12521	0.10993	0.09588	0.09156	0.09186	0.09418	0.10423
15	0.08619	0.07243	0.07037	0.07871	0.08450	0.09020	0.09078	0.08490
20	0.05934	0.04117	0.04937	0.07501	0.06859	0.06142	0.06088	0.06108
25	0.05309	0.06191	0.06457	0.05687	0.05179	0.05514	0.04231	0.04787
30	0.05755	0.05589	0.04903	0.04449	0.05156	0.05589	0.04899	0.04494
35	0.05105	0.04307	0.03775	0.04675	0.04707	0.04197	0.04081	0.03690
40	0.04039	0.03315	0.03930	0.04059	0.03949	0.03759	0.03948	0.03726
45	0.03234	0.03324	0.03763	0.03057	0.03241	0.03677	0.03070	0.02997
50	0.03158	0.03406	0.02905	0.02973	0.03143	0.02855	0.03031	0.02997

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00230	0.00280	0.00363	0.00430	0.00530	0.00697	0.00830	0.01030
CUTOFF AAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN AAVL. (M) =	435.	357.	275.	233.	189.	144.	120.	97.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.14027	0.13346	0.15393	0.16555	0.15202	0.15333	0.14018	0.14356
10	0.11539	0.10805	0.10286	0.11223	0.09758	0.09814	0.10439	0.10125
15	0.07613	0.04985	0.07462	0.08347	0.08325	0.08195	0.07941	0.08009
20	0.07444	0.06423	0.06339	0.06759	0.06703	0.06767	0.06453	0.06559
25	0.05505	0.05797	0.05533	0.05603	0.05379	0.05513	0.05397	0.05483
30	0.05223	0.05269	0.04937	0.04749	0.04784	0.04875	0.04597	0.04819
35	0.04345	0.04222	0.04396	0.04069	0.04272	0.04404	0.03841	0.04371
40	0.03974	0.03913	0.03856	0.03509	0.03615	0.03792	0.03436	0.03756
45	0.03515	0.03424	0.03340	0.03042	0.03154	0.03357	0.02993	0.03471
50	0.03107	0.03023	0.02885	0.02639	0.02897	0.03111	0.02612	0.03023

Table 2 - $\Delta f = 0.00050$

CUTOFF FREQ. (1/M) -	0.00005	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00060	0.00060	0.00063	0.00070	0.00075	0.00083	0.00090	0.00100
CUTOFF WAVL. (M) -	INFI.	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	2000.	1667.	1579.	1429.	1333.	1200.	1111.	1000.
U	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.30644	0.29624	0.29290	0.28611	0.28068	0.27217	0.26448	0.25498
10	0.27154	0.18645	0.18160	0.17185	0.16413	0.15221	0.14330	0.12879
15	0.14009	0.12935	0.12339	0.11171	0.10278	0.08976	0.08008	0.06937
20	0.11265	0.09153	0.08491	0.07262	0.06409	0.05371	0.04903	0.04904
25	0.08710	0.06410	0.05741	0.04645	0.04067	0.03621	0.04143	0.04878
30	0.06676	0.04374	0.03782	0.03104	0.03083	0.03639	0.04219	0.04494
35	0.05047	0.02909	0.02518	0.02535	0.02976	0.03684	0.04005	0.03810
40	0.03743	0.01978	0.01929	0.02513	0.03030	0.03410	0.03309	0.02400
45	0.02731	0.01562	0.01827	0.02544	0.02886	0.02779	0.02346	0.01478
50	0.01893	0.01499	0.01870	0.02416	0.02499	0.01968	0.01575	0.01927

CUTOFF FREQ. (1/M) -	0.00067	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00167	0.00117	0.00130	0.00150	0.00161	0.00175	0.00193	0.00217
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	933.	857.	769.	667.	621.	571.	519.	462.
U	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.24642	0.23677	0.22277	0.20229	0.19144	0.17836	0.16335	0.14432
10	0.11925	0.10838	0.09574	0.08501	0.08410	0.08657	0.09354	0.10311
15	0.06531	0.06213	0.06571	0.07613	0.08122	0.08397	0.09147	0.07177
20	0.05276	0.05886	0.06601	0.06629	0.06191	0.05493	0.05353	0.06331
25	0.05347	0.05609	0.05333	0.04296	0.04339	0.05005	0.05449	0.04463
30	0.04695	0.04244	0.03496	0.04133	0.04544	0.04316	0.03595	0.03956
35	0.03359	0.02636	0.03272	0.03790	0.03291	0.02892	0.03394	0.03226
40	0.02309	0.02700	0.03256	0.02506	0.02944	0.02917	0.02689	0.02716
45	0.02271	0.02754	0.02377	0.02157	0.02487	0.02723	0.02193	0.02285
50	0.02316	0.02176	0.01568	0.02116	0.01803	0.01703	0.01991	0.01805

CUTOFF FREQ. (1/M) -	0.00250	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00250	0.00300	0.00383	0.00450	0.00550	0.00717	0.00850	0.01050
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	400.	333.	261.	222.	182.	140.	118.	95.
U	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.13164	0.12674	0.15180	0.16174	0.14454	0.15067	0.15422	0.13967
10	0.10923	0.09749	0.09449	0.10507	0.09163	0.09041	0.09691	0.09436
15	0.06262	0.08190	0.06979	0.07510	0.07636	0.07189	0.07108	0.07254
20	0.06207	0.05633	0.05415	0.05743	0.05670	0.05851	0.05530	0.05498
25	0.04669	0.04363	0.04399	0.04567	0.04416	0.04518	0.04433	0.04464
30	0.03307	0.04115	0.03697	0.03674	0.03900	0.03625	0.03617	0.03410
35	0.03416	0.03175	0.03155	0.02990	0.03149	0.03196	0.02982	0.03157
40	0.02915	0.02664	0.02684	0.02453	0.02477	0.02630	0.02472	0.02511
45	0.02363	0.02293	0.02256	0.02124	0.02187	0.02069	0.02054	0.02190
50	0.01721	0.01660	0.01845	0.01674	0.01814	0.01717	0.01703	0.01770

Table 3 - $\Delta f = 0.00075$

CUTOFF FREQ. (1/M) -	0.00005	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00075	0.00085	0.00088	0.00095	0.00100	0.00108	0.00115	0.00125
CUTOFF RAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN RAVL. (M) -	1333.	1176.	1132.	1053.	1000.	923.	870.	800.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.29154	0.28014	0.27660	0.26949	0.26425	0.25520	0.24876	0.23728
10	0.17526	0.15324	0.15616	0.14916	0.14042	0.12859	0.11952	0.10439
15	0.11942	0.10133	0.09537	0.08405	0.07642	0.06493	0.05892	0.05217
20	0.08641	0.06119	0.05537	0.04535	0.04028	0.03653	0.03843	0.04464
25	0.05294	0.03449	0.03019	0.02595	0.02732	0.03321	0.03877	0.04392
30	0.03293	0.01883	0.01828	0.02246	0.02729	0.03317	0.03554	0.03361
35	0.01876	0.01344	0.01669	0.02293	0.02646	0.02772	0.02547	0.01908
40	0.00949	0.01379	0.01700	0.02092	0.02176	0.01896	0.01415	0.01218
45	0.00460	0.01345	0.01548	0.01629	0.01481	0.00954	0.00811	0.01303
50	0.00347	0.01159	0.01231	0.01068	0.00803	0.00532	0.00843	0.01170

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00132	0.00142	0.00155	0.00175	0.00186	0.00200	0.00218	0.00242
CUTOFF RAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN RAVL. (M) -	757.	706.	645.	571.	537.	500.	459.	414.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.22977	0.21950	0.20555	0.18542	0.17486	0.16253	0.14429	0.13336
10	0.09129	0.08457	0.07920	0.07481	0.07702	0.08242	0.09054	0.09805
15	0.05187	0.06449	0.06210	0.07199	0.07458	0.07390	0.06741	0.05795
20	0.04994	0.05484	0.05748	0.05684	0.04506	0.04165	0.04793	0.05593
25	0.04525	0.04277	0.03538	0.03194	0.03751	0.04279	0.04016	0.03203
30	0.02997	0.02387	0.02457	0.03341	0.03223	0.02647	0.02418	0.03097
35	0.01651	0.01958	0.02571	0.02699	0.01747	0.02091	0.02145	0.01788
40	0.01605	0.01983	0.01743	0.01331	0.01701	0.01738	0.01797	0.01799
45	0.01516	0.01343	0.00882	0.01342	0.01205	0.00929	0.01295	0.00938
50	0.00965	0.00626	0.00854	0.00777	0.00655	0.00944	0.00487	0.00903

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00275	0.00325	0.00408	0.00475	0.00575	0.00742	0.00875	0.01075
CUTOFF RAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN RAVL. (M) -	364.	308.	245.	211.	174.	135.	114.	93.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.12130	0.17954	0.14903	0.15574	0.13506	0.14781	0.14559	0.13579
10	0.10075	0.08521	0.09510	0.09414	0.08549	0.08271	0.08628	0.08419
15	0.06333	0.07105	0.06271	0.06279	0.06665	0.06041	0.05945	0.06421
20	0.04715	0.04673	0.04544	0.04452	0.04400	0.04775	0.04345	0.04391
25	0.03143	0.03245	0.03305	0.03262	0.03432	0.03558	0.03275	0.03625
30	0.02920	0.02715	0.02454	0.02453	0.02745	0.02512	0.02509	0.02598
35	0.02271	0.02208	0.01838	0.01882	0.01842	0.01877	0.01925	0.01898
40	0.01520	0.01444	0.01385	0.01442	0.01445	0.01470	0.01458	0.01474
45	0.01099	0.00990	0.01037	0.01095	0.01099	0.01093	0.01076	0.00974
50	0.00844	0.00839	0.00766	0.00796	0.00680	0.00712	0.00742	0.00758

Table 4 - $\Delta f = 0.00100$

CUTOFF FREQ. (1/M) =	[illegible]	0.00110	0.00113	0.00120	0.00125	0.00133	0.00140	0.00150
TERMIN FREQ. (1/M) =	[illegible]	0.00110	0.00113	0.00120	0.00125	0.00133	0.00140	0.00150
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	1000.	909.	882.	833.	800.	750.	714.	667.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.27424	0.25350	0.25994	0.25273	0.24728	0.23830	0.23101	0.22024
10	0.15995	0.13967	0.13473	0.12485	0.11760	0.10617	0.09750	0.08601
15	0.09102	0.07448	0.06917	0.05937	0.05304	0.04535	0.04291	0.04278
20	0.05172	0.03553	0.03155	0.02683	0.02656	0.03073	0.03575	0.04257
25	0.02585	0.01590	0.01631	0.02092	0.02526	0.03118	0.03397	0.03431
30	0.01067	0.01268	0.01581	0.02108	0.02364	0.02474	0.02313	0.01779
35	0.00536	0.01269	0.01482	0.01703	0.01696	0.01395	0.01036	0.00809
40	0.00500	0.01026	0.01104	0.01069	0.00907	0.00509	0.00458	0.00498
45	0.00333	0.00673	0.00670	0.00525	0.00349	0.00260	0.00479	0.00428
50	0.00204	0.00393	0.00379	0.00251	0.00162	0.00255	0.00348	0.00307

CUTOFF FREQ. (1/M) =	0.00067	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00167	0.00167	0.00180	0.00200	0.00211	0.00225	0.00243	0.00267
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	636.	600.	556.	500.	474.	444.	412.	375.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.21255	0.20250	0.18871	0.16901	0.15889	0.14719	0.13492	0.12136
10	0.07961	0.07189	0.06666	0.06859	0.07313	0.07984	0.08772	0.09159
15	0.04599	0.06176	0.05965	0.06572	0.06537	0.06134	0.05308	0.04794
20	0.04594	0.04773	0.04529	0.03515	0.03176	0.03451	0.04242	0.04459
25	0.03208	0.02690	0.02102	0.02746	0.03172	0.03194	0.02674	0.02295
30	0.01415	0.01407	0.02030	0.02196	0.01791	0.01430	0.01831	0.01962
35	0.01092	0.01495	0.01494	0.00894	0.01057	0.01385	0.01180	0.01082
40	0.01011	0.00949	0.00549	0.00841	0.00897	0.00626	0.00701	0.00763
45	0.00551	0.00372	0.00412	0.00491	0.00300	0.00442	0.00457	0.00420
50	0.00203	0.00205	0.00315	0.00186	0.00265	0.00262	0.00203	0.00296

CUTOFF FREQ. (1/M) =	0.00250	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00350	0.00350	0.00433	0.00500	0.00600	0.00767	0.00900	0.01100
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	333.	286.	231.	200.	167.	130.	111.	91.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.11344	0.12121	0.14579	0.14932	0.12586	0.14953	0.13492	0.13199
10	0.09562	0.07342	0.07013	0.08308	0.07994	0.07607	0.07619	0.07420
15	0.05209	0.05953	0.05435	0.05106	0.05624	0.04964	0.04938	0.05523
20	0.03376	0.04113	0.03957	0.03362	0.03372	0.03649	0.03415	0.03491
25	0.02937	0.02548	0.02539	0.02345	0.02431	0.02421	0.02429	0.02419
30	0.01525	0.01525	0.01665	0.01667	0.01664	0.01692	0.01498	0.01714
35	0.01119	0.01198	0.01039	0.01164	0.01020	0.00998	0.01129	0.00978
40	0.00506	0.00390	0.00407	0.00742	0.00732	0.00609	0.00488	0.00477
45	0.00330	0.00365	0.00335	0.00425	0.00359	0.00393	0.00377	0.00382
50	0.00271	0.00205	0.00190	0.00225	0.00229	0.00233	0.00203	0.00211

Table 5 - $\Delta f = 0.00125$

CUTOFF FREQ. (1/M) =		0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =		0.00126	0.00135	0.00138	0.00145	0.00150	0.00158	0.00165	0.00175
CUTOFF WAVL. (M) =		INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =		800.	741.	723.	690.	667.	632.	606.	571.
	N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
	5	0.25753	0.24668	0.24301	0.23575	0.23028	0.22115	0.21393	0.20311
	10	0.13162	0.11671	0.11183	0.10240	0.09561	0.08498	0.07792	0.06786
	15	0.06615	0.05083	0.04637	0.03898	0.03515	0.03263	0.03408	0.03948
	20	0.02826	0.01817	0.01741	0.01979	0.02395	0.02975	0.03398	0.03775
	25	0.00890	0.01225	0.01508	0.02007	0.02263	0.02509	0.02487	0.02163
	30	0.00992	0.01176	0.01399	0.01526	0.01591	0.01341	0.01056	0.00659
	35	0.00398	0.00797	0.00847	0.00814	0.00705	0.00409	0.00277	0.00532
	40	0.00227	0.00418	0.00431	0.00367	0.00283	0.00169	0.00256	0.00379
	45	0.00196	0.00273	0.00295	0.00270	0.00232	0.00158	0.00190	0.00222
	50	0.00191	0.00268	0.00290	0.00266	0.00229	0.00165	0.00185	0.00216

CUTOFF FREQ. (1/M) =		0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =		0.00182	0.00192	0.00205	0.00225	0.00236	0.00250	0.00268	0.00292
CUTOFF WAVL. (M) =		1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =		549.	522.	488.	444.	424.	400.	373.	343.
	N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
	5	0.19552	0.18551	0.17194	0.15297	0.14332	0.13251	0.12099	0.11079
	10	0.06265	0.05871	0.05814	0.06529	0.07092	0.07764	0.08399	0.08665
	15	0.04924	0.04997	0.05559	0.05670	0.05370	0.04757	0.04009	0.04133
	20	0.03853	0.03694	0.03116	0.02308	0.02408	0.03077	0.03594	0.03236
	25	0.01807	0.01366	0.01460	0.02240	0.02310	0.01990	0.01991	0.01792
	30	0.00717	0.01088	0.01406	0.01064	0.00769	0.00906	0.01252	0.00950
	35	0.00715	0.00782	0.00558	0.00449	0.00664	0.00672	0.00398	0.00635
	40	0.00383	0.00276	0.00192	0.00349	0.00285	0.00200	0.00322	0.00219
	45	0.00221	0.00172	0.00178	0.00165	0.00167	0.00187	0.00177	0.00185
	50	0.00216	0.00170	0.00179	0.00180	0.00166	0.00183	0.00172	0.00182

CUTOFF FREQ. (1/M) =		0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =		0.00325	0.00375	0.00458	0.00525	0.00625	0.00792	0.00925	0.01125
CUTOFF WAVL. (M) =		500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =		308.	267.	218.	190.	160.	126.	108.	89.
	N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
	5	0.10716	0.11877	0.14248	0.14210	0.11701	0.14097	0.12795	0.12899
	10	0.07923	0.06913	0.08903	0.07186	0.07971	0.07061	0.06662	0.06529
	15	0.05360	0.04600	0.04970	0.04072	0.04595	0.04085	0.04097	0.04593
	20	0.02439	0.03251	0.03166	0.02571	0.02623	0.02623	0.02694	0.02791
	25	0.01913	0.01907	0.01892	0.01725	0.01837	0.01727	0.01737	0.01507
	30	0.01129	0.00656	0.01091	0.01066	0.00893	0.01030	0.01011	0.00992
	35	0.00904	0.00999	0.00566	0.00568	0.00632	0.00610	0.00500	0.00976
	40	0.00308	0.00293	0.00273	0.00258	0.00298	0.00233	0.00228	0.00227
	45	0.00179	0.00184	0.00176	0.00169	0.00169	0.00178	0.00166	0.00181
	50	0.00179	0.00182	0.00175	0.00166	0.00168	0.00177	0.00165	0.00176

Table 6 - $\Delta f = 0.00150$

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00150	0.00160	0.00163	0.00170	0.00175	0.00183	0.00190	0.00200
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	667.	625.	612.	588.	571.	545.	526.	500.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.24067	0.22965	0.22400	0.21864	0.21315	0.20405	0.19680	0.18610
10	0.10910	0.09472	0.09014	0.08133	0.07516	0.06599	0.05979	0.05303
15	0.04392	0.03151	0.02850	0.02468	0.02456	0.02769	0.03190	0.03855
20	0.01222	0.01194	0.01928	0.01940	0.02287	0.02722	0.02924	0.02970
25	0.00986	0.01170	0.01347	0.01586	0.01648	0.01619	0.01999	0.01038
30	0.00401	0.00728	0.00783	0.00797	0.00733	0.00520	0.00326	0.00318
35	0.00191	0.00331	0.00363	0.00362	0.00321	0.00218	0.00186	0.00264
40	0.00169	0.00259	0.00298	0.00315	0.00292	0.00217	0.00179	0.00206
45	0.00121	0.00279	0.00307	0.00305	0.00266	0.00179	0.00163	0.00229
50	0.00079	0.00242	0.00273	0.00226	0.00163	0.00115	0.00172	0.00219

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00207	0.00217	0.00230	0.00250	0.00261	0.00275	0.00293	0.00317
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	483.	462.	435.	400.	383.	364.	341.	316.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.17857	0.16877	0.15561	0.13746	0.12853	0.11878	0.10901	0.10161
10	0.05043	0.04987	0.05360	0.06360	0.06922	0.07487	0.07895	0.07808
15	0.04268	0.04672	0.04912	0.04560	0.04095	0.03452	0.03076	0.03769
20	0.02839	0.02474	0.01843	0.01714	0.02154	0.02632	0.02728	0.02080
25	0.00766	0.00735	0.01193	0.01531	0.01373	0.00988	0.00848	0.01329
30	0.00502	0.00478	0.00715	0.00366	0.00362	0.00588	0.00692	0.00358
35	0.00310	0.00310	0.00216	0.00294	0.00268	0.00261	0.00194	0.00274
40	0.00231	0.00235	0.00195	0.00201	0.00210	0.00195	0.00190	0.00197
45	0.00249	0.00222	0.00169	0.00216	0.00201	0.00170	0.00201	0.00179
50	0.00189	0.00128	0.00167	0.00159	0.00128	0.00175	0.00139	0.00172

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00350	0.00400	0.00483	0.00550	0.00650	0.00817	0.00950	0.01150
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	286.	250.	207.	182.	154.	122.	105.	87.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.10206	0.11687	0.13646	0.13433	0.10876	0.13688	0.11903	0.12986
10	0.06730	0.06711	0.07675	0.06132	0.06935	0.06570	0.05821	0.05769
15	0.04650	0.03456	0.04222	0.03290	0.03522	0.03409	0.03445	0.03696
20	0.01899	0.02308	0.02397	0.02029	0.02074	0.01803	0.02100	0.02118
25	0.01007	0.01306	0.01232	0.01195	0.01093	0.00967	0.01119	0.00906
30	0.00429	0.00512	0.00566	0.00594	0.00417	0.00487	0.00467	0.00490
35	0.00205	0.00197	0.00247	0.00224	0.00239	0.00252	0.00205	0.00228
40	0.00193	0.00191	0.00188	0.00189	0.00189	0.00188	0.00188	0.00188
45	0.00189	0.00177	0.00181	0.00178	0.00186	0.00178	0.00178	0.00179
50	0.00158	0.00158	0.00147	0.00150	0.00136	0.00133	0.00196	0.00196

Table 7 - $\Delta f = 0.00175$

CUTOFF FREQ. (1/M) -		0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -		0.00175	0.00185	0.00188	0.00195	0.00200	0.00208	0.00215	0.00225
CUTOFF WAVL. (M) -		INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -		571.	541.	531.	513.	500.	480.	465.	444.
	N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
	5	0.22365	0.21259	0.20490	0.20157	0.19606	0.18702	0.17986	0.16930
	10	0.08775	0.07430	0.07009	0.06226	0.05497	0.04962	0.04590	0.04229
	15	0.02600	0.01806	0.01727	0.01867	0.02143	0.02703	0.03139	0.03668
	20	0.00553	0.01201	0.01922	0.01792	0.01995	0.02178	0.02195	0.02019
	25	0.00969	0.00828	0.00906	0.00979	0.00969	0.00834	0.00658	0.00367
	30	0.00201	0.00332	0.00371	0.00378	0.00361	0.00294	0.00227	0.00219
	35	0.00171	0.00259	0.00302	0.00342	0.00339	0.00279	0.00227	0.00191
	40	0.00104	0.00279	0.00314	0.00327	0.00300	0.00207	0.00160	0.00196
	45	0.00080	0.00245	0.00254	0.00214	0.00140	0.00066	0.00137	0.00201
	50	0.00062	0.00158	0.00152	0.00103	0.00068	0.00082	0.00121	0.00112

CUTOFF FREQ. (1/M) -		0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -		0.00232	0.00242	0.00255	0.00275	0.00286	0.00300	0.00318	0.00342
CUTOFF WAVL. (M) -		1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -		431.	414.	392.	364.	350.	333.	315.	293.
	N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
	5	0.16193	0.15239	0.13970	0.12269	0.11455	0.10607	0.09832	0.09907
	10	0.04249	0.04520	0.05169	0.06220	0.06690	0.07085	0.07234	0.06827
	15	0.03932	0.04111	0.04044	0.03375	0.02872	0.02415	0.02669	0.03462
	20	0.01781	0.01382	0.00786	0.01962	0.01618	0.02017	0.01812	0.01189
	25	0.00325	0.00542	0.00834	0.00836	0.00637	0.00405	0.00588	0.00809
	30	0.00272	0.00331	0.00317	0.00203	0.00230	0.00299	0.00279	0.00212
	35	0.00218	0.00252	0.00247	0.00200	0.00207	0.00228	0.00212	0.00208
	40	0.00244	0.00257	0.00196	0.00195	0.00227	0.00205	0.00172	0.00215
	45	0.00198	0.00135	0.00117	0.00173	0.00122	0.00127	0.00161	0.00122
	50	0.00081	0.00046	0.00107	0.00063	0.00086	0.00095	0.00066	0.00088

CUTOFF FREQ. (1/M) -		0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -		0.00375	0.00425	0.00508	0.00575	0.00675	0.00842	0.00975	0.01175
CUTOFF WAVL. (M) -		500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -		267.	235.	197.	174.	148.	119.	103.	85.
	N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
	5	0.09834	0.11528	0.13380	0.12598	0.10139	0.13223	0.11016	0.12119
	10	0.05563	0.05250	0.06837	0.05186	0.06357	0.06086	0.05109	0.05190
	15	0.03799	0.02594	0.03395	0.02747	0.02648	0.02890	0.02917	0.02769
	20	0.01544	0.01434	0.01415	0.01571	0.01561	0.01251	0.01538	0.01517
	25	0.00493	0.00731	0.00648	0.00695	0.00527	0.00479	0.00593	0.00565
	30	0.00285	0.00274	0.00252	0.00292	0.00241	0.00227	0.00218	0.00218
	35	0.00211	0.00211	0.00203	0.00202	0.00202	0.00204	0.00201	0.00205
	40	0.00192	0.00190	0.00173	0.00184	0.00185	0.00186	0.00183	0.00188
	45	0.00120	0.00116	0.00115	0.00139	0.00124	0.00137	0.00130	0.00120
	50	0.00095	0.00077	0.00068	0.00078	0.00074	0.00062	0.00070	0.00076

Table 8 - Δf = 0.00200

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00200	0.00210	0.00213	0.00220	0.00225	0.00233	0.00240	0.00250
CUTOFF AAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN AAVL. (M) =	500.	476.	469.	455.	444.	429.	417.	400.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.20644	0.19658	0.19191	0.18459	0.17916	0.17020	0.16315	0.15281
10	0.04812	0.05594	0.05227	0.04570	0.04163	0.03687	0.03519	0.03410
15	0.01329	0.01207	0.01370	0.01800	0.02137	0.02637	0.02956	0.03272
20	0.00563	0.01070	0.01204	0.01399	0.01442	0.01499	0.01417	0.01164
25	0.00275	0.00432	0.00477	0.00519	0.00511	0.00433	0.00338	0.00220
30	0.00148	0.00251	0.00299	0.00356	0.00368	0.00336	0.00286	0.00217
35	0.00113	0.00276	0.00319	0.00352	0.00341	0.00271	0.00203	0.00170
40	0.00089	0.00238	0.00253	0.00231	0.00184	0.00096	0.00098	0.00181
45	0.00060	0.00142	0.00146	0.00117	0.00084	0.00064	0.00093	0.00114
50	0.00061	0.00118	0.00129	0.00104	0.00080	0.00059	0.00073	0.00086

CUTOFF FREQ. (1/M) =	0.00067	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00267	0.00267	0.00280	0.00300	0.00311	0.00325	0.00343	0.00367
CUTOFF AAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN AAVL. (M) =	389.	375.	357.	333.	321.	308.	292.	273.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.14547	0.13646	0.12443	0.10874	0.10165	0.09466	0.08919	0.08812
10	0.03870	0.04397	0.05085	0.04604	0.04339	0.06538	0.04434	0.05765
15	0.03374	0.03356	0.03065	0.02270	0.01876	0.01782	0.02311	0.03028
20	0.00927	0.00628	0.00632	0.01187	0.01358	0.01345	0.01024	0.00466
25	0.00237	0.00349	0.00461	0.00397	0.00285	0.00234	0.00370	0.00405
30	0.00206	0.00235	0.00273	0.00243	0.00218	0.00220	0.00242	0.00224
35	0.00210	0.00266	0.00265	0.00172	0.00197	0.00242	0.00217	0.00193
40	0.00205	0.00183	0.00103	0.00171	0.00174	0.00117	0.00141	0.00192
45	0.00097	0.00065	0.00065	0.00083	0.00043	0.00086	0.00078	0.00082
50	0.00077	0.00061	0.00070	0.00065	0.00062	0.00068	0.00043	0.00066

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00500	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00400	0.00450	0.00533	0.00600	0.00700	0.00867	0.01000	0.01200
CUTOFF AAVL. (M) =	500.	400.	300.	200.	200.	150.	125.	100.
TERMIN AAVL. (M) =	250.	222.	187.	167.	143.	115.	100.	83.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.09573	0.11378	0.12450	0.11722	0.09500	0.12698	0.10156	0.11729
10	0.04575	0.04250	0.05729	0.04397	0.05717	0.05571	0.04537	0.04450
15	0.02889	0.01922	0.02547	0.02350	0.01963	0.02438	0.02441	0.02001
20	0.01177	0.00772	0.00939	0.01115	0.01091	0.00891	0.01005	0.00954
25	0.00248	0.00342	0.00297	0.00339	0.00260	0.00275	0.00281	0.00327
30	0.00227	0.00217	0.00222	0.00220	0.00217	0.00218	0.00218	0.00217
35	0.00207	0.00214	0.00187	0.00200	0.00185	0.00184	0.00199	0.00183
40	0.00157	0.00152	0.00119	0.00144	0.00140	0.00115	0.00132	0.00128
45	0.00067	0.00073	0.00071	0.00075	0.00067	0.00070	0.00069	0.00074
50	0.00064	0.00064	0.00063	0.00063	0.00062	0.00063	0.00062	0.00067

Table 9 - $\Delta f = 0.00250$

CUTOFF FREQ. (1/M) =	0.00050	0.00063	0.00083	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00250	0.00250	0.00263	0.00271	0.00275	0.00283	0.00290	0.00300
CUTOFF WAVL. (M) =	10000.	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	400.	395.	360.	370.	364.	353.	345.	333.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.17391	0.16213	0.15553	0.15143	0.14619	0.13741	0.13095	0.12131
11	0.03560	0.03272	0.02520	0.02261	0.02255	0.02463	0.02774	0.03332
15	0.00628	0.01170	0.01337	0.01623	0.01792	0.01983	0.02056	0.02037
21	0.00297	0.00431	0.00479	0.00544	0.00564	0.00544	0.00449	0.00368
25	0.00198	0.00250	0.00297	0.00372	0.00404	0.00409	0.00383	0.00313
31	0.00098	0.00274	0.00311	0.00345	0.00339	0.00282	0.00215	0.00136
35	0.00075	0.00167	0.00180	0.00173	0.00148	0.00088	0.00068	0.00112
41	0.00055	0.00119	0.00134	0.00134	0.00119	0.00079	0.00045	0.00082
45	0.00036	0.00124	0.00132	0.00117	0.00092	0.00051	0.00042	0.00094
51	0.00032	0.00090	0.00088	0.00060	0.00036	0.00043	0.00063	0.00063

CUTOFF FREQ. (1/M) =	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) =	0.00307	0.00317	0.00330	0.00350	0.00361	0.00375	0.00393	0.00417
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	326.	316.	303.	286.	277.	267.	255.	240.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.11490	0.10659	0.09431	0.08426	0.07969	0.07637	0.07593	0.08076
11	0.03734	0.04222	0.04764	0.05193	0.05221	0.05056	0.04648	0.03467
15	0.01940	0.01717	0.01295	0.00812	0.00933	0.01321	0.01749	0.01875
21	0.00264	0.00241	0.00349	0.00502	0.00502	0.00423	0.00275	0.00324
25	0.00264	0.00227	0.00256	0.00312	0.00304	0.00269	0.00237	0.00266
31	0.00154	0.00224	0.00277	0.00207	0.00155	0.00182	0.00243	0.00186
35	0.00140	0.00144	0.00096	0.00096	0.00126	0.00116	0.00075	0.00118
41	0.00095	0.00093	0.00072	0.00077	0.00082	0.00073	0.00071	0.00074
45	0.00097	0.00075	0.00057	0.00083	0.00068	0.00059	0.00077	0.00057
51	0.00045	0.00033	0.00057	0.00033	0.00044	0.00051	0.00035	0.00046

CUTOFF FREQ. (1/M) =	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) =	0.00450	0.00500	0.00583	0.00650	0.00750	0.00917	0.01050	0.01250
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	222.	205.	171.	154.	133.	109.	95.	80.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.09206	0.11015	0.11590	0.09896	0.08560	0.11474	0.08567	0.10493
11	0.03756	0.04431	0.04584	0.03336	0.04278	0.04387	0.03704	0.03886
15	0.01267	0.01367	0.01125	0.01574	0.01227	0.01523	0.01479	0.01460
21	0.00458	0.00278	0.00273	0.00382	0.00357	0.00385	0.00306	0.00283
25	0.00259	0.00259	0.00254	0.00245	0.00249	0.00247	0.00242	0.00292
31	0.00213	0.00166	0.00204	0.00202	0.00166	0.00196	0.00194	0.00191
35	0.00078	0.00079	0.00106	0.00099	0.00100	0.00097	0.00087	0.00093
41	0.00073	0.00072	0.00070	0.00070	0.00070	0.00071	0.00070	0.00070
45	0.00063	0.00062	0.00061	0.00065	0.00065	0.00065	0.00064	0.00057
51	0.00048	0.00042	0.00037	0.00043	0.00037	0.00041	0.00039	0.00038

Table 10 - Δf = 0.00300

CUTOFF FREQ. (1/S) -	[illegible]	[illegible]	[illegible]	0.00025	0.00025	0.00033	0.00040	0.00050
TERMIN. FREQ. (1/S) -	[illegible]	[illegible]	[illegible]	0.00325	0.00325	0.00333	0.00340	0.00350
CUTOFF AVG. (M) -	[illegible]	15000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN AVG. (M) -	333.	323.	319.	313.	308.	300.	294.	286.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	[illegible]	[illegible]	0.17474	[illegible]	0.11512	0.10719	0.10114	0.09760
10	0.01928	[illegible]	0.01369	0.01665	0.01937	0.02405	0.02757	0.03218
15	0.00532	0.00769	0.00838	0.00749	0.01004	0.01039	0.01070	0.00921
20	0.00228	0.00242	0.00286	0.00366	0.00410	0.00447	0.00448	0.00412
25	0.00157	0.00272	0.00319	0.00364	0.00376	0.00352	0.00309	0.00209
30	0.00069	0.00196	0.00163	0.00173	0.00163	0.00123	0.00089	0.00077
35	0.00063	0.00123	0.00141	0.00152	0.00144	0.00110	0.00082	0.00071
40	0.00037	0.00112	0.00118	0.00106	0.00089	0.00091	0.00095	0.00080
45	0.00025	0.00072	0.00076	0.00065	0.00050	0.00030	0.00039	0.00050
50	0.00019	0.00072	0.00074	0.00059	0.00042	0.00028	0.00043	0.00051

CUTOFF FREQ. (1/S) -	0.00067	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/S) -	0.00367	0.00367	0.00380	0.00400	0.00411	0.00425	0.00443	0.00467
CUTOFF AVG. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN AVG. (M) -	280.	273.	263.	250.	243.	235.	224.	214.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.08699	0.08624	0.07752	0.06547	0.06415	0.06494	0.04910	0.07777
10	0.03987	0.03760	0.03971	0.03927	0.03729	0.03342	0.02773	0.02056
15	0.01509	0.00629	0.00372	0.00454	0.00655	0.00857	0.00945	0.00827
20	0.00370	0.00307	0.00253	0.00289	0.00321	0.00338	0.00315	0.00266
25	0.00155	0.00157	0.00246	0.00300	0.00267	0.00194	0.00172	0.00259
30	0.00172	0.00129	0.00128	0.00077	0.00083	0.00112	0.00110	0.00077
35	0.00089	0.00106	0.00102	0.00072	0.00080	0.00093	0.00083	0.00078
40	0.00090	0.00073	0.00043	0.00074	0.00073	0.00098	0.00041	0.00059
45	0.00048	0.00036	0.00035	0.00039	0.00033	0.00036	0.00036	0.00035
50	0.00045	0.00029	0.00039	0.00034	0.00030	0.00039	0.00032	0.00037

CUTOFF FREQ. (1/S) -	0.00250	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/S) -	0.00500	0.00550	0.00633	0.00700	0.00800	0.00967	0.01100	0.01300
CUTOFF AVG. (M) -	550.	400.	300.	250.	200.	150.	125.	100.
TERMIN AVG. (M) -	220.	182.	158.	143.	125.	103.	91.	77.
	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.09196	[illegible]	[illegible]	0.08094	0.08013	0.10053	0.07948	0.09772
10	0.02939	0.03655	0.02950	0.02751	0.02800	0.03069	0.03011	0.03107
15	[illegible]	[illegible]	[illegible]	[illegible]	0.00739	0.00689	0.00436	0.00436
20	0.00275	0.00275	0.00278	0.00271	0.00266	0.00247	0.00266	0.00266
25	0.00137	0.00240	0.00230	0.00225	0.00212	0.00191	0.00219	0.00171
30	[illegible]	[illegible]	0.00096	0.00093	0.00087	0.00085	0.00082	0.00080
35	0.00080	0.00082	0.00075	0.00076	0.00074	0.00075	0.00075	0.00075
40	0.00067	0.00064	0.00060	0.00060	0.00058	0.00048	0.00055	0.00054
45	0.00034	0.00035	0.00034	0.00033	0.00033	0.00034	0.00033	0.00034
50	0.00035	0.00036	0.00034	0.00032	0.00030	0.00031	0.00032	0.00033

Table 11 - Δf = 0.00400

CUTOFF FREQ. (1/A) =	0.00170	0.00216	0.00313	0.00420	0.00525	0.00633	0.00740	0.00850
TERMIN FREQ. (1/A) =	0.00370	0.01410	0.00913	0.00920	0.00925	0.00933	0.00940	0.00950
CUTOFF WAVL. (M) =	14410.	13033.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	250.	244.	242.	238.	235.	231.	227.	222.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.08270	0.07370	0.07111	0.06578	0.06203	0.05635	0.05339	0.04764
10	0.02744	0.01130	0.01239	0.01435	0.01562	0.01731	0.01828	0.01908
15	0.00242	0.00247	0.00280	0.00357	0.00409	0.00474	0.00506	0.00520
20	0.00123	0.00246	0.00279	0.00323	0.00338	0.00331	0.00309	0.00235
25	0.00049	0.00115	0.00137	0.00166	0.00174	0.00167	0.00149	0.00112
30	0.00043	0.00114	0.00127	0.00134	0.00125	0.00093	0.00042	0.00093
35	0.00029	0.00071	0.00081	0.00085	0.00079	0.00057	0.00041	0.00039
40	0.00026	0.00047	0.00071	0.00063	0.00050	0.00023	0.00026	0.00046
45	0.00015	0.00046	0.00051	0.00045	0.00034	0.00019	0.00029	0.00032
50	0.00011	0.00044	0.00043	0.00030	0.00018	0.00017	0.00028	0.00029

CUTOFF FREQ. (1/A) =	0.00067	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/A) =	0.00457	0.00467	0.00480	0.00500	0.00511	0.00525	0.00543	0.00567
CUTOFF WAVL. (M) =	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) =	219.	214.	208.	200.	196.	190.	184.	176.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.04525	0.04347	0.04367	0.04866	0.05284	0.05865	0.06417	0.07509
10	0.01920	0.01880	0.01728	0.01336	0.01071	0.00762	0.00635	0.01051
15	0.00510	0.00476	0.00409	0.00307	0.00290	0.00311	0.00360	0.00391
20	0.00178	0.00115	0.00140	0.00252	0.00277	0.00262	0.00187	0.00132
25	0.00091	0.00093	0.00109	0.00122	0.00113	0.00094	0.00087	0.00103
30	0.00065	0.00092	0.00101	0.00059	0.00048	0.00073	0.00087	0.00053
35	0.00050	0.00057	0.00051	0.00038	0.00043	0.00048	0.00040	0.00092
40	0.00052	0.00044	0.00023	0.00042	0.00040	0.00026	0.00039	0.00032
45	0.00032	0.00024	0.00020	0.00026	0.00021	0.00021	0.00023	0.00021
50	0.00022	0.00013	0.00024	0.00015	0.00017	0.00022	0.00019	0.00021

CUTOFF FREQ. (1/A) =	0.00200	0.00250	0.00333	0.00500	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/A) =	0.00600	0.00650	0.00733	0.00800	0.00900	0.01067	0.01200	0.01400
CUTOFF WAVL. (M) =	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) =	167.	154.	136.	125.	111.	94.	83.	71.
N	RMS	RMS	RMS	RMS	RMS	RMS	RMS	RMS
5	0.08342	0.08675	0.06774	0.05234	0.07392	0.06924	0.05649	0.07076
10	0.01640	0.01630	0.00675	0.01599	0.00811	0.00907	0.01911	0.01265
15	0.00344	0.00312	0.00318	0.00327	0.00307	0.00313	0.00310	0.00306
20	0.00239	0.00140	0.00171	0.00214	0.00209	0.00175	0.00190	0.00176
25	0.00097	0.00097	0.00093	0.00091	0.00090	0.00089	0.00088	0.00088
30	0.00080	0.00062	0.00073	0.00071	0.00052	0.00066	0.00069	0.00061
35	0.00040	0.00040	0.00039	0.00039	0.00039	0.00039	0.00038	0.00039
40	0.00037	0.00035	0.00027	0.00032	0.00032	0.00026	0.00030	0.00029
45	0.00021	0.00021	0.00020	0.00020	0.00021	0.00021	0.00020	0.00021
50	0.00021	0.00018	0.00016	0.00018	0.00015	0.00017	0.00016	0.00017

Appendix D

TABLES OF FILTER WEIGHTS

Table 1 - $\Delta f = 0.00030$

CUTOFF FREQ. (1/M) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00030	0.00040	0.00043	0.00050	0.00055	0.00063	0.00070	0.00080
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	3333.	2500.	2308.	2000.	1818.	1579.	1429.	1250.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.00300000	0.00500000	0.00566667	0.00700000	0.00800000	0.00966667	0.01100000	0.01300000
1	0.00299956	0.00499845	0.00566450	0.00699411	0.00799432	0.00965687	0.01098574	0.01297674
2	0.00299826	0.00499381	0.00565800	0.00698493	0.00797728	0.00962754	0.01094309	0.01290712
3	0.00299608	0.00498608	0.00564717	0.00696501	0.00794895	0.00957877	0.01087211	0.01279141
4	0.00299304	0.00497524	0.00563209	0.00693787	0.00790939	0.00951076	0.01077329	0.01243098
5	0.00298913	0.00496141	0.00561263	0.00690309	0.00785871	0.00942377	0.01064707	0.01242629
6	0.00298436	0.00494449	0.00558897	0.00686074	0.00779707	0.00931819	0.01049407	0.01217871
7	0.00297873	0.00492454	0.00556109	0.00681091	0.00772462	0.00919428	0.01031503	0.01189098
8	0.00297224	0.00490163	0.00552905	0.00675371	0.00764158	0.00905266	0.01011082	0.01156290
9	0.00296490	0.00487573	0.00549289	0.00668928	0.00754816	0.00889383	0.00988243	0.01119834
10	0.00295672	0.00484691	0.00545267	0.00661774	0.00744464	0.00871841	0.00963098	0.01079918
11	0.00294769	0.00481519	0.00540845	0.00653927	0.00733129	0.00852705	0.00935766	0.01036802
12	0.00293784	0.00478067	0.00536031	0.00645404	0.00720843	0.00832050	0.00906380	0.00990767
13	0.00292715	0.00474324	0.00530832	0.00636223	0.00707639	0.00809953	0.00875078	0.00942109
14	0.00291564	0.00470311	0.00525257	0.00626404	0.00693554	0.00786499	0.00842011	0.00891139
15	0.00290332	0.00466027	0.00519313	0.00615970	0.00678625	0.00761775	0.00807339	0.00838180
16	0.00289020	0.00461479	0.00513010	0.00604992	0.00662895	0.00735874	0.00771209	0.00783564
17	0.00287629	0.00456672	0.00506359	0.00593394	0.00646409	0.00708893	0.00733804	0.00727636
18	0.00286158	0.00451613	0.00499370	0.00581203	0.00629198	0.00680931	0.00695293	0.00670733
19	0.00284611	0.00446307	0.00492053	0.00568493	0.00611322	0.00652091	0.00655852	0.00613209
20	0.00282987	0.00440762	0.00484420	0.00555393	0.00592824	0.00622478	0.00615658	0.00555393
21	0.00281288	0.00434986	0.00476483	0.00541780	0.00573753	0.00592199	0.00574893	0.00497691
22	0.00279519	0.00428985	0.00468254	0.00527733	0.00554160	0.00561363	0.00533737	0.00440282
23	0.00277668	0.00422767	0.00459745	0.00513282	0.00534095	0.00530079	0.00492369	0.00383692
24	0.00275750	0.00416341	0.00450970	0.00498457	0.00513610	0.00498457	0.00450970	0.00320035
25	0.00273762	0.00409713	0.00441941	0.00483290	0.00492758	0.00466407	0.00409713	0.00273762
26	0.00271709	0.00402894	0.00432679	0.00467811	0.00471593	0.00439639	0.00368773	0.00221109
27	0.00269580	0.00395891	0.00423180	0.00452053	0.00450147	0.00402660	0.00328316	0.00170393
28	0.00267388	0.00388713	0.00413476	0.00436047	0.00428535	0.00370776	0.00288506	0.00121713
29	0.00265133	0.00381369	0.00403575	0.00419827	0.00406751	0.00339094	0.00249497	0.00075497
30	0.00262819	0.00373869	0.00393491	0.00403425	0.00384466	0.00307715	0.00211491	0.00031750
31	0.00260433	0.00366221	0.00383241	0.00386873	0.00362936	0.00276739	0.00174477	-0.00009196
32	0.00257993	0.00358435	0.00372838	0.00370205	0.00341012	0.00246262	0.00138739	-0.00047236
33	0.00255494	0.00350521	0.00362297	0.00353453	0.00319146	0.00216375	0.00104351	-0.00082235
34	0.00252938	0.00342487	0.00351635	0.00336649	0.00297388	0.00187169	0.00071426	-0.00119090
35	0.00250327	0.00334345	0.00340866	0.00319825	0.00275790	0.00158726	0.00040068	-0.00149271
36	0.00247663	0.00326103	0.00330005	0.00303013	0.00254399	0.00131126	0.00010371	-0.00168069
37	0.00244947	0.00317772	0.00319068	0.00286296	0.00233263	0.00104493	-0.00017583	-0.00190113
38	0.00242182	0.00309361	0.00308071	0.00269552	0.00212427	0.00078794	-0.00043724	-0.00208898
39	0.00239368	0.00300881	0.00297027	0.00252963	0.00191937	0.00054098	-0.00067992	-0.00224297
40	0.00236508	0.00292340	0.00285952	0.00236508	0.00171833	0.00030558	-0.00090338	-0.00236508
41	0.00233604	0.00283750	0.00274862	0.00220217	0.00152158	0.00008177	-0.00110727	-0.00245552
42	0.00230658	0.00275119	0.00263770	0.00204116	0.00132950	-0.00013000	-0.00129135	-0.00251520
43	0.00227671	0.00266458	0.00252692	0.00188234	0.00114244	-0.00032932	-0.00145547	-0.00254527
44	0.00224645	0.00257777	0.00241643	0.00172596	0.00096077	-0.00051587	-0.00159962	-0.00254704
45	0.00221582	0.00249084	0.00230635	0.00157227	0.00078479	-0.00068936	-0.00172391	-0.00252203
46	0.00218485	0.00240390	0.00219684	0.00142153	0.00061481	-0.00084960	-0.00182852	-0.00247190
47	0.00215355	0.00231704	0.00208803	0.00127396	0.00045111	-0.00099693	-0.00191377	-0.00239896
48	0.00212194	0.00223035	0.00198006	0.00112978	0.00029392	-0.00112977	-0.00198006	-0.00230359
49	0.00209004	0.00214393	0.00187305	0.00098919	0.00014349	-0.00129961	-0.00202789	-0.00218936
50	0.00205787	0.00205787	0.00176713	0.00085290	0.00000000	-0.00135597	-0.00205787	-0.00205787

(Continued)

Table 1 - Δf = 0.00030 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00087	0.00097	0.00110	0.00130	0.00141	0.00155	0.00173	0.00197
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	1148.	1034.	909.	769.	709.	645.	579.	508.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.01442857	0.01633333	0.01900000	0.02300000	0.02622222	0.02800000	0.03157143	0.03633333
1	0.01439675	0.01629772	0.01892857	0.02287391	0.02505627	0.02777390	0.03124725	0.03549039
2	0.01430735	0.01615133	0.01871525	0.02249817	0.02456237	0.02710025	0.03024677	0.03438553
3	0.01414554	0.01592559	0.01836299	0.02188028	0.02375234	0.02600027	0.02872559	0.03203999
4	0.01392779	0.01561281	0.01787662	0.02103251	0.02249543	0.02450557	0.02662131	0.02891759
5	0.01345087	0.01521619	0.01726281	0.01997166	0.02126787	0.02265948	0.02405095	0.02516815
6	0.01331701	0.01473979	0.01652992	0.01871861	0.01965205	0.02051509	0.02110755	0.02094921
7	0.01292491	0.01418846	0.01568790	0.01729787	0.01783563	0.01813336	0.01789611	0.01651536
8	0.01248968	0.01356779	0.01474811	0.01573692	0.01586045	0.01558109	0.01452901	0.01200796
9	0.01200283	0.01288402	0.01372313	0.01406564	0.01377140	0.01292836	0.01112118	0.00764139
10	0.01147223	0.01214400	0.01262653	0.01231562	0.01161509	0.01029666	0.00778526	0.00359722
11	0.01090706	0.01135508	0.01147271	0.01051929	0.00943866	0.00760603	0.00442691	0.00003011
12	0.01029681	0.01052502	0.01027641	0.00870933	0.00728841	0.00507297	0.00174058	-0.00293783
13	0.00966119	0.00966189	0.00905350	0.00691787	0.00520863	0.00270828	-0.00079420	-0.00522292
14	0.00900008	0.00877401	0.00781872	0.00517573	0.00324040	0.00056519	-0.00291664	-0.00678297
15	0.00831854	0.00786980	0.00658745	0.00351183	0.00142055	-0.00131221	-0.00458173	-0.00761775
16	0.00762171	0.00695772	0.00537448	0.00195250	-0.00021982	-0.00289020	-0.00577125	-0.00776693
17	0.00691478	0.00604613	0.00419397	0.00052098	-0.00165307	-0.00419618	-0.00648387	-0.00730557
18	0.00620279	0.00513324	0.00305925	-0.00076307	-0.00286158	-0.00506910	-0.00673919	-0.00633771
19	0.00549133	0.00425698	0.00198259	-0.00188388	-0.00383208	-0.00565932	-0.00657493	-0.00498892
20	0.00478498	0.00339491	0.00097511	-0.00242987	-0.00455876	-0.00592824	-0.00604439	-0.00339491
21	0.00408830	0.00256418	0.00004652	-0.00359377	-0.00504261	-0.00589735	-0.00521318	-0.00169727
22	0.00340750	0.00177140	-0.00079490	-0.00417265	-0.00529112	-0.00559704	-0.00415557	-0.00002954
23	0.00274557	0.00102259	-0.00154247	-0.00456787	-0.00531785	-0.00506513	-0.00295056	0.00148838
24	0.00210723	0.00032314	-0.00219117	-0.00478487	-0.00514174	-0.00439513	-0.00167788	0.00275750
25	0.00149639	-0.00032228	-0.00273762	-0.00443290	-0.00478637	-0.00348433	-0.00091417	0.00370475
26	0.00091665	-0.00090971	-0.00318015	-0.00472467	-0.00427904	-0.00253192	0.00077059	0.00428601
27	0.00037123	-0.00143600	-0.00351877	-0.00447587	-0.00364982	-0.00153701	0.00181605	0.00448702
28	-0.00013703	-0.00189875	-0.00375510	-0.00410471	-0.00293047	-0.00054678	0.00267388	0.00432226
29	-0.00060570	-0.00229639	-0.00389228	-0.00363131	-0.00215344	0.00039520	0.00330952	0.00383189
30	-0.00103274	-0.00262814	-0.00393491	-0.00307715	-0.00135032	0.00125051	0.00370300	0.00307715
31	-0.00141654	-0.00289400	-0.00388892	-0.00246447	-0.00055338	0.00198703	0.00384906	0.00213455
32	-0.00175606	-0.00309475	-0.00376137	-0.00181564	0.00021038	0.00257993	0.00375652	0.00108931
33	-0.00205045	-0.00323191	-0.00356036	-0.00115259	0.00091495	0.00301218	0.00344691	0.00002860
34	-0.00229948	-0.00330747	-0.00329481	-0.00049628	0.00153850	0.00327485	0.00295252	-0.00094494
35	-0.00250327	-0.00332490	-0.00297430	0.00013383	0.00206342	0.00336498	0.00231400	-0.00181907
36	-0.00266238	-0.00328703	-0.00260884	0.00072024	0.00247663	0.00329517	0.00157760	-0.00247663
37	-0.00277776	-0.00319805	-0.00220874	0.00124773	0.00276980	0.00307285	0.00079231	-0.00249892
38	-0.00285072	-0.00306239	-0.00178435	0.00170372	0.00293936	0.00271934	0.00000696	-0.00306747
39	-0.00288294	-0.00288488	-0.00134591	0.00207844	0.00298639	0.00225868	-0.00073246	-0.00298433
40	-0.00287442	-0.00267064	-0.00090338	0.00236508	0.00291628	0.00171833	-0.00138531	-0.00247066
41	-0.00283347	-0.00242511	-0.00046629	0.00255985	0.00273839	0.00112778	-0.00191820	-0.00216419
42	-0.00275664	-0.00215375	-0.00004335	0.00266189	0.00244549	0.00051712	-0.00230658	-0.00151514
43	-0.00264872	-0.00186221	0.00035719	0.00267317	0.00211293	-0.00008428	-0.00253558	-0.00078225
44	-0.00251270	-0.00155609	0.00072819	0.00259832	0.00169845	-0.00064905	-0.00260042	-0.00002733
45	-0.00235173	-0.00124092	0.00106324	0.00244429	0.00124092	-0.00115297	-0.00250610	0.00068936
46	-0.00216908	-0.00092210	0.00135730	0.00222011	0.00075985	-0.00157584	-0.00226667	0.00131373
47	-0.00196808	-0.00060480	0.00160619	0.00193447	0.00027462	-0.00190224	-0.00190389	0.00180166
48	-0.00175213	-0.00029392	0.00180695	0.00160535	-0.00019624	-0.00212194	-0.00194565	0.00212194
49	-0.00152463	0.00000598	0.00195775	0.00123957	-0.00063563	-0.00223014	-0.00092400	0.00225797
50	-0.00128894	0.00029074	0.00205787	0.00085240	-0.00102851	-0.00222792	-0.00037311	0.00220836

(Continued)

Table 1 - Δf = 0.00030 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00230	0.00280	0.00363	0.00430	0.00530	0.00697	0.00830	0.01030
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	435.	357.	275.	233.	189.	144.	120.	97.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.04300000	0.05300000	0.06966667	0.08300000	0.10300000	0.13633333	0.16300000	0.20300000
1	0.04218503	0.05147992	0.06623866	0.07724113	0.09212292	0.11172916	0.12197922	0.12728192
2	0.03979581	0.04707647	0.05655923	0.06139272	0.06357793	0.05356097	0.03494953	-0.00299825
3	0.03599485	0.04024079	0.04231530	0.03931890	0.02780289	-0.00299608	-0.02329619	-0.04231530
4	0.03103827	0.03166307	0.02592450	0.01618967	-0.00299304	-0.02491754	-0.02918897	0.00299304
5	0.02525505	0.02218874	0.01003886	-0.00298613	-0.01997165	-0.02037695	0.00298913	0.02525505
6	0.01902069	0.01271721	-0.00298436	-0.01473979	-0.02096921	0.00298436	0.02086512	-0.00298436
7	0.01272741	0.00409656	-0.01152771	-0.01794069	-0.01054818	0.01698785	0.00810923	-0.01789611
8	0.00675171	-0.00297224	-0.01497970	-0.01389998	0.00297224	0.01200796	-0.01156290	0.00297224
9	0.00143580	-0.00800930	-0.01377140	-0.00569597	0.01183435	-0.00296490	-0.01214117	0.01377140
10	-0.00295672	-0.01079918	-0.00918728	0.00295672	0.01231562	-0.01214400	0.00295672	-0.00295672
11	-0.00623885	-0.01139904	-0.00300546	0.00891931	0.00577677	-0.00815401	0.01194405	-0.01111729
12	-0.00832050	-0.01011210	0.00293783	0.01052502	-0.00293783	0.00293783	0.00356699	0.00293783
13	-0.00920449	-0.00743085	0.00716276	0.00789802	-0.00861947	0.00947912	-0.00788839	0.00925556
14	-0.00900008	-0.00395998	0.00883280	0.00264472	-0.00451590	0.00591716	-0.00719812	-0.00291564
15	-0.00784980	-0.00032932	0.00786980	-0.00290332	-0.00351143	-0.00290332	0.00290332	-0.00786981
16	-0.00604942	0.00289020	0.00487673	-0.00662895	0.00289020	-0.00776693	0.00783566	0.00289020
17	-0.00380467	0.00525675	0.00090535	-0.00734895	0.00683692	-0.00444441	0.00166562	0.00679258
18	-0.00141014	0.00650488	-0.00286158	-0.00519324	0.00633771	0.00286158	-0.00404028	-0.00286158
19	0.00087526	0.00656500	-0.00542831	-0.00118126	0.00217853	0.00655599	-0.00476743	-0.00592701
20	0.00282987	0.00555393	-0.00622478	0.00282987	-0.00282987	0.00339491	0.00282987	0.00282987
21	0.00428416	0.00373991	-0.00521318	0.00533989	-0.00567527	-0.00281287	0.00582725	0.00521318
22	0.00519170	0.00148865	-0.00284631	0.00552431	-0.00490041	-0.00564145	0.00061907	-0.00279514
23	0.00536332	-0.00080034	0.00009845	0.00352828	-0.00129780	-0.00240581	-0.00495728	-0.00461205
24	0.00498457	-0.00275750	0.00275750	0.00032314	0.00275750	0.00275750	-0.00328035	0.00275750
25	0.00409713	-0.00409713	0.00441941	-0.00273762	0.00483290	0.00491703	0.00273761	0.00409714
26	0.00283714	-0.00465489	0.00470654	-0.00447049	0.00386596	0.00198950	0.00451636	-0.00271704
27	0.00136822	-0.00490363	0.00364982	-0.00430423	0.00067460	-0.00269579	-0.00003563	-0.00364982
28	-0.00013703	-0.00344715	0.00164838	-0.00245216	-0.00267388	-0.00432226	-0.00418940	0.00267388
29	-0.00151520	-0.00199413	-0.00066779	0.00023076	-0.00417757	-0.00149468	-0.00227795	0.00325645
30	-0.00262814	-0.00031750	-0.00262814	0.00262814	-0.00307716	0.00262814	0.00262813	-0.00262813
31	-0.00337539	0.00129337	-0.00370926	0.00341404	-0.00021450	0.00382029	0.00357015	-0.00290748
32	-0.00370205	0.00257993	-0.00366973	0.00341012	0.00257992	0.00108931	-0.00097235	0.00257992
33	-0.00360147	0.00335366	-0.00259539	0.00167884	0.00364183	-0.00255494	-0.00359252	0.00259539
34	-0.00311279	0.00352176	-0.00085804	-0.00060556	0.00245114	-0.00338744	-0.00154955	-0.00252938
35	-0.00231400	0.00309582	0.00101089	-0.00250327	-0.00013383	-0.00075235	0.00250327	-0.00231400
36	-0.00131126	0.00218344	0.00247663	-0.00328703	-0.00247663	0.00247663	0.00284190	0.00247663
37	-0.00022600	0.00096489	0.00315080	-0.00271515	-0.00318797	0.00300788	-0.00077141	0.00205900
38	0.00081884	-0.00034052	0.00289121	-0.00109490	-0.00194024	0.00046939	-0.00309974	-0.00242181
39	0.00171201	-0.00151239	0.00182680	0.00086276	0.00090084	-0.00239368	-0.00099770	-0.00182680
40	0.00236508	-0.00236508	0.00030558	0.00236508	0.00236508	-0.00267066	0.00236508	0.00236508
41	0.00272063	-0.00277608	-0.00121580	0.00283890	0.00279348	0.00023021	0.00225740	0.00161454
42	0.00275664	-0.00270236	-0.00230658	0.00215376	0.00151514	0.00230658	-0.00097548	-0.00230657
43	0.00248692	-0.00218304	-0.00268143	0.00064485	-0.00060586	0.00236801	-0.00267648	-0.00141989
44	0.00195771	-0.00132855	-0.00227378	-0.00103451	-0.00224445	-0.00002733	-0.00056934	0.00224445
45	0.00124092	-0.00029850	-0.00124092	-0.00221582	-0.00244429	-0.00221582	0.00221582	0.00124092
46	0.00042504	0.00072693	0.00009059	-0.00244754	-0.00115682	-0.00209426	0.00177536	-0.00218485
47	-0.00039527	0.00157783	0.00132699	-0.00166989	0.00076189	0.00019487	-0.00110976	-0.00107607
48	-0.00112977	0.00212194	0.00212194	-0.00029392	0.00212194	0.00212194	-0.00230359	0.00212193
49	-0.00170221	0.00228454	0.00227202	0.00119776	0.00213124	0.00184522	-0.00023292	0.00092400
50	-0.00205787	0.00205787	0.00176713	0.00205787	0.00085240	-0.00029073	0.00205786	-0.00205786

Table 2 - $\Delta f = 0.00050$

CUTOFF FREQ. (1/M) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00050	0.00060	0.00067	0.00070	0.00075	0.00083	0.00090	0.00100
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	2000.	1667.	1579.	1429.	1333.	1200.	1111.	1000.

	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.00500000	0.00700000	0.00766667	0.00900000	0.01000000	0.01166667	0.01300000	0.01500000
1	0.00499798	0.00699545	0.00766092	0.00899119	0.00998826	0.01164865	0.01297553	0.01496319
2	0.00499194	0.00698182	0.00764363	0.00896481	0.00995311	0.01159470	0.01290230	0.01485271
3	0.00498187	0.00695915	0.00761502	0.00892096	0.00989471	0.01150515	0.01278085	0.01467036
4	0.00496784	0.00692750	0.00757503	0.00885983	0.00981335	0.01138057	0.01261209	0.01441722
5	0.00494932	0.00688697	0.00752383	0.00878166	0.00970942	0.01122172	0.01239726	0.01409589
6	0.00492787	0.00683767	0.00746160	0.00868678	0.00958342	0.01102957	0.01213795	0.01370939
7	0.00490202	0.00677974	0.00738859	0.00857557	0.00943596	0.01080532	0.01183607	0.01324135
8	0.00487239	0.00671336	0.00730489	0.00844850	0.00926774	0.01055033	0.01149381	0.01275575
9	0.00483867	0.00663871	0.00721092	0.00830608	0.00907958	0.01026616	0.01111368	0.01219789
10	0.00480169	0.00655601	0.00710693	0.00814889	0.00887236	0.00995453	0.01069443	0.01159230
11	0.00476095	0.00646549	0.00699327	0.00797757	0.00864707	0.00961732	0.01025103	0.01094471
12	0.00471645	0.00636741	0.00687028	0.00779281	0.00840477	0.00925655	0.00977469	0.01026097
13	0.00466856	0.00626206	0.00673838	0.00759534	0.00814660	0.00887436	0.00927276	0.00954719
14	0.00461728	0.00614972	0.00659798	0.00738596	0.00787375	0.00847301	0.00874476	0.00880968
15	0.00456270	0.00603072	0.00644952	0.00716549	0.00758749	0.00805483	0.00820630	0.00805483
16	0.00450492	0.00590539	0.00629348	0.00693480	0.00728912	0.00762224	0.00764911	0.00728912
17	0.00444406	0.00577407	0.00613033	0.00669479	0.00697999	0.00717772	0.00708092	0.00651895
18	0.00438023	0.00563714	0.00596059	0.00644639	0.00666151	0.00672375	0.00650550	0.00575067
19	0.00431355	0.00549496	0.00578479	0.00619054	0.00633507	0.00626287	0.00592660	0.00499092
20	0.00424413	0.00534792	0.00560345	0.00592821	0.00600211	0.00579759	0.00534792	0.00424413
21	0.00417212	0.00519642	0.00541713	0.00566040	0.00566407	0.00533042	0.00477306	0.00351799
22	0.00409763	0.00504087	0.00522637	0.00538808	0.00532240	0.00486380	0.00420554	0.00281561
23	0.00402082	0.00488164	0.00503180	0.00511226	0.00497853	0.00440015	0.00364870	0.00214353
24	0.00394181	0.00471927	0.00483392	0.00483392	0.00463387	0.00394181	0.00310575	0.00150564
25	0.00386074	0.00455404	0.00463333	0.00455406	0.00428933	0.00349100	0.00257967	0.00090586
26	0.00377777	0.00438647	0.00443061	0.00427364	0.00394776	0.00304988	0.00207324	0.00034763
27	0.00369304	0.00421694	0.00422633	0.00399363	0.00360900	0.00262046	0.00158903	-0.00016618
28	0.00360670	0.00404589	0.00402106	0.00371497	0.00327481	0.00220464	0.00112933	-0.00063323
29	0.00351889	0.00387374	0.00381536	0.00343457	0.00294649	0.00180417	0.00069615	-0.00105178
30	0.00342978	0.00370092	0.00360979	0.00316531	0.00262504	0.00142066	0.00029127	-0.00142066
31	0.00333950	0.00352783	0.00340489	0.00289605	0.00231172	0.00105554	-0.00008386	-0.00173925
32	0.00324823	0.00335489	0.00320118	0.00263160	0.00200751	0.00071010	-0.00042806	-0.00200751
33	0.00315610	0.00318250	0.00299917	0.00237274	0.00171338	0.00038543	-0.00074045	-0.00222593
34	0.00306327	0.00301105	0.00279942	0.00212020	0.00143021	0.00008247	-0.00102044	-0.00239552
35	0.00296989	0.00284091	0.00260235	0.00187466	0.00115879	-0.00019805	-0.00126773	-0.00251775
36	0.00287612	0.00267247	0.00240843	0.00163677	0.00089985	-0.00045553	-0.00148231	-0.00259458
37	0.00278209	0.00250608	0.00221812	0.00140710	0.00065400	-0.00068960	-0.00166444	-0.00242835
38	0.00268797	0.00234207	0.00203182	0.00118620	0.00042179	-0.00090004	-0.00181463	-0.00226178
39	0.00259389	0.00218079	0.00184993	0.00097454	0.00020367	-0.00108680	-0.00193367	-0.00225779
40	0.00250000	0.00202254	0.00167283	0.00077254	0.00000000	-0.00125000	-0.00202254	-0.00250000
41	0.00240644	0.00186762	0.00150084	0.00058058	-0.00018895	-0.00138994	-0.00208248	-0.00239160
42	0.00231334	0.00171631	0.00133430	0.00039896	-0.00036300	-0.00150704	-0.00211490	-0.00225638
43	0.00222084	0.00156886	0.00117347	0.00022794	-0.00052206	-0.00160190	-0.00212140	-0.00209812
44	0.00212907	0.00142553	0.00101864	0.00006771	-0.00066612	-0.00167523	-0.00210370	-0.00192066
45	0.00203816	0.00128653	0.00087001	-0.00008159	-0.00079525	-0.00172787	-0.00206369	-0.00172787
46	0.00194823	0.00115207	0.00072780	-0.00021986	-0.00090961	-0.00176078	-0.00200334	-0.00152354
47	0.00185939	0.00102233	0.00059218	-0.00034709	-0.00100943	-0.00177503	-0.00192472	-0.00131134
48	0.00177176	0.00089748	0.00046329	-0.00046329	-0.00109501	-0.00177176	-0.00182994	-0.00109501
49	0.00168545	0.00077765	0.00034125	-0.00056855	-0.00116673	-0.00175219	-0.00172117	-0.00087780
50	0.00160056	0.00066297	0.00022613	-0.00066297	-0.00122502	-0.00171761	-0.00160056	-0.00066297

(Continued)

Table 2 - Δf = 0.00050 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00107	0.00117	0.00130	0.00150	0.00161	0.00175	0.00193	0.00217
CUTOFF #AVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN #AVL. (M) -	933.	857.	769.	667.	621.	571.	519.	462.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.01642957	0.01833333	0.02100000	0.02500000	0.02722222	0.03000000	0.03357143	0.03833333
1	0.01638063	0.01826738	0.02090187	0.02433404	0.02701135	0.02971885	0.03317894	0.03775133
2	0.01623734	0.01807042	0.02060918	0.02434815	0.02638477	0.02888505	0.03201825	0.03603798
3	0.01600031	0.01774512	0.02012705	0.02354815	0.02536332	0.02752721	0.03013878	0.03328609
4	0.01567217	0.01729592	0.01946388	0.02245535	0.02396706	0.02549168	0.02762008	0.02964790
5	0.01525657	0.01672887	0.01863118	0.02109599	0.02224425	0.02344061	0.02454773	0.02531761
6	0.01475311	0.01605163	0.01764330	0.01950244	0.02024000	0.02084940	0.02110796	0.02052609
7	0.01418227	0.01527325	0.01651716	0.01771229	0.01800964	0.01800362	0.01734126	0.01552027
8	0.01353535	0.01440408	0.01527187	0.01576722	0.01561378	0.01499552	0.01353535	0.01055033
9	0.01282439	0.01345556	0.01392831	0.01371182	0.01311634	0.01192030	0.00971791	0.00585305
10	0.01205703	0.01244007	0.01250873	0.01159230	0.01058238	0.00887236	0.00606942	0.00163777
11	0.01124145	0.01137068	0.01103626	0.00945518	0.00807598	0.00591147	0.00271665	-0.00125718
12	0.01038426	0.01026097	0.00953443	0.00734404	0.00565818	0.00321039	-0.00023311	-0.00471695
13	0.00950033	0.00912479	0.00802672	0.00530823	0.00338509	0.00074964	-0.00269650	-0.00666708
14	0.00859275	0.00797607	0.00653606	0.00338174	0.00130618	-0.00138240	-0.00461728	-0.00776603
15	0.00767265	0.00682856	0.00508439	0.00160221	-0.00053713	-0.00314284	-0.00596780	-0.00805483
16	0.00674909	0.00569563	0.00369227	0.00000000	-0.00211255	-0.00450492	-0.00674909	-0.00762229
17	0.00583097	0.00459010	0.00237845	-0.00140042	-0.00339764	-0.00545844	-0.00698928	-0.00659539
18	0.00492691	0.00352401	0.00115958	-0.00258102	-0.00438023	-0.00600993	-0.00674072	-0.00512859
19	0.00404511	0.00250846	0.00004991	-0.00353046	-0.00505832	-0.00617908	-0.00607583	-0.00339094
20	0.00319331	0.00155346	-0.00093894	-0.00424413	-0.00543976	-0.00600211	-0.00508213	-0.00155346
21	0.00237865	0.00066780	-0.00179809	-0.00472407	-0.00554149	-0.00552460	-0.00385467	0.00022306
22	0.00160761	-0.00014106	-0.00252155	-0.00497855	-0.00538854	-0.00480141	-0.00250016	0.00179880
23	0.00088593	-0.00086707	-0.00310621	-0.00502161	-0.00501271	-0.00389327	-0.00111129	0.00304392
24	0.00021860	-0.00150564	-0.00355178	-0.00487234	-0.00445110	-0.00286389	0.00021860	0.00399181
25	-0.00039027	-0.00205367	-0.00386074	-0.00455406	-0.00374454	-0.00177691	0.00141005	0.00437686
26	-0.00093739	-0.00250956	-0.00403813	-0.00409341	-0.00293585	-0.00069311	0.00239920	0.00442916
27	-0.00142037	-0.00287318	-0.00409136	-0.00351939	-0.00206820	0.00033210	0.00314023	0.00407381
28	-0.00183770	-0.00314580	-0.00402993	-0.00286229	-0.00118349	0.00125087	0.00360670	0.00339485
29	-0.00218875	-0.00333004	-0.00386514	-0.00215273	-0.00032087	0.00202459	0.00379165	0.00247771
30	-0.00247372	-0.00342978	-0.00360979	-0.00142066	0.00048456	0.00262504	0.00370652	0.00142066
31	-0.00269366	-0.00344999	-0.00327776	-0.00069443	0.00120282	0.00303498	0.00337907	0.00032570
32	-0.00285039	-0.00339668	-0.00288371	-0.00000000	0.00180988	0.00324823	0.00285039	-0.00071010
33	-0.00294694	-0.00327669	-0.00244267	0.00063974	0.00228820	0.00326911	0.00217134	-0.00160229
34	-0.00299501	-0.00309756	-0.00196971	0.00120557	0.00262730	0.00311153	0.00139863	-0.00228516
35	-0.00294989	-0.00286737	-0.00147958	0.00168231	0.00282219	0.00277758	0.00059075	-0.00271580
36	-0.00290537	-0.00257458	-0.00098639	0.00205907	0.00287612	0.00235583	-0.00019588	-0.00287612
37	-0.00279618	-0.00228783	-0.00050332	0.00232937	0.00279701	0.00181944	-0.00091043	-0.00277252
38	-0.00264738	-0.00195581	-0.00004235	0.00249104	0.00259822	0.00122409	-0.00151053	-0.00243342
39	-0.00246 [illegible]	-0.00160710	0.00038594	0.00254601	0.00229733	0.00060400	-0.00196444	-0.00190622
40	-0.0022[illegible]	-0.00125000	0.00077254	0.00250000	0.00191511	0.00000000	-0.00226242	-0.00125000
41	-0.0020[illegible]	-0.00089241	0.00111016	0.00236202	0.00147440	-0.00056220	-0.00236719	-0.00053150
42	-0.00176452	-0.00054171	0.00139327	0.00214385	0.00099900	-0.00105348	-0.00231334	0.00018206
43	-0.00149951	-0.00020463	0.00161815	0.00185945	0.00051257	-0.00145239	-0.00210667	0.00082869
44	-0.00122759	0.00011282	0.00178286	0.00152425	0.00003762	-0.00174393	-0.00177192	0.00135657
45	-0.00095381	0.00040541	0.00188720	0.00115453	-0.00040542	-0.00191991	-0.00134073	0.00172787
46	-0.00068292	0.00066881	0.00193257	0.00076674	-0.00079893	-0.00197892	-0.00084902	0.00192108
47	-0.00041932	0.00089953	0.00192186	0.00037490	-0.00112872	-0.00192597	-0.00033429	0.00193176
48	-0.00016699	0.00109501	0.00185926	0.00000000	-0.00138443	-0.00177176	0.00016699	0.00177176
49	0.00007053	0.00125357	0.00175009	-0.00035048	-0.00155971	-0.00153176	0.00042180	0.00146709
50	0.00029019	0.00137443	0.00160056	-0.00066297	-0.00165225	-0.00122502	0.00100251	0.00105464

(Continued)

Table 2 - Δf = 0.00050 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00250	0.00300	0.00383	0.00450	0.00550	0.00717	0.00850	0.01050
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	400.	333.	261.	222.	182.	140.	118.	95.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.04500000	0.05500000	0.07166667	0.09500000	0.10500000	0.13833333	0.16500000	0.20500000
1	0.04406256	0.05329763	0.06793199	0.07881398	0.09348319	0.11266367	0.12252571	0.12720721
2	0.04132099	0.04830067	0.05742680	0.06186483	0.06342866	0.05243486	0.03324386	-0.00499194
3	0.03698123	0.04079420	0.04209176	0.03849215	0.02424064	-0.00498189	-0.02877134	-0.04209176
4	0.03136569	0.03136569	0.02447956	0.01441723	-0.00496783	-0.02964740	-0.02829540	0.00496783
5	0.02488441	0.02109599	0.00815554	-0.00494982	-0.02109599	-0.01907563	0.00494981	0.02488441
6	0.01799863	0.01102957	-0.00492786	-0.01605163	-0.02052609	0.00492786	0.02104422	-0.00492786
7	0.01118040	0.00212264	-0.01293591	-0.01804537	-0.00882916	0.01750363	0.00625063	-0.01738127
8	0.00487234	-0.00487234	-0.01542267	-0.01275595	0.00487234	0.01055033	-0.01275595	0.00487234
9	-0.00054887	-0.00948994	-0.01311634	-0.00379486	0.01269625	-0.00483887	-0.01097909	0.01311634
10	-0.00480169	-0.01159230	-0.00763838	0.00480169	0.01159230	-0.01244007	0.00480168	-0.00480168
11	-0.00771909	-0.01136289	-0.00104053	0.00992172	0.00393593	-0.00656310	0.01129283	-0.01032709
12	-0.00925655	-0.00925655	0.00471645	0.01026097	-0.00471645	0.00471645	0.00162518	0.00471644
13	-0.00948833	-0.00591517	0.00821125	0.00648564	-0.00919583	0.00955374	-0.00867690	0.00833632
14	-0.00859275	-0.00206294	0.00883389	0.00069334	-0.00753471	0.00421661	-0.00573912	-0.00461727
15	-0.00687856	0.00160220	0.00682856	-0.00456269	-0.00160221	-0.00456269	0.00456269	-0.00682856
16	-0.00450492	0.00450492	0.00311732	-0.00728911	0.00450492	-0.00762224	0.00728912	0.00450492
17	-0.00194899	0.00626306	-0.00103004	-0.00673465	0.00712857	-0.00265999	-0.00028182	0.00563727
18	0.00052917	0.00672375	-0.00438023	-0.00352401	0.00512859	0.00438023	-0.00455819	-0.00438023
19	0.00266044	0.00596188	-0.00406882	0.00074491	0.00024949	0.00619797	-0.00310502	-0.00466637
20	0.00424413	0.00424413	-0.00579759	0.00424413	-0.00424413	0.00155346	0.00424413	0.00424413
21	0.00515969	0.00196650	-0.00385667	0.00564221	-0.00567721	-0.00417212	0.00495716	0.00385667
22	0.00537213	-0.00042279	-0.00098202	0.00459466	-0.00349971	-0.00507946	-0.00125797	-0.00409763
23	0.00492776	-0.00250174	0.00189725	0.00177212	0.00060179	-0.00073468	-0.00511605	-0.00316976
24	0.00394181	-0.00394181	0.00394181	-0.00150563	0.00394180	0.00394181	-0.00150569	0.00394180
25	0.00257967	-0.00455406	0.00463333	-0.00386074	0.00455406	0.00416443	0.00386074	0.00257967
26	0.00103432	-0.00430826	0.00389375	-0.00441702	0.00231502	0.00011598	0.00336911	-0.00377777
27	-0.00049750	-0.00332404	0.00206820	-0.00310819	-0.00114893	-0.00369304	-0.00177207	-0.00206821
28	-0.00183770	-0.00183770	-0.00021185	-0.00063323	-0.00360669	-0.00339485	-0.00399805	0.00360669
29	-0.00284537	-0.00015213	-0.00223633	0.00189332	-0.00363532	0.00035455	-0.00045544	0.00162223
30	-0.00342978	0.00142066	-0.00342978	0.00342978	-0.00142066	0.00342978	0.00342977	-0.00342977
31	-0.00355677	0.00261383	-0.00350810	0.00342587	0.00149022	0.00273670	0.00220368	-0.00123201
32	-0.00324823	0.00324823	-0.00253813	0.00200752	0.00324823	-0.00071010	-0.00200751	0.00324823
33	-0.00257522	0.00325648	-0.00089011	-0.00012874	0.00286110	-0.00315610	-0.00307653	0.00089011
34	-0.00144603	0.00268608	0.00089474	-0.00204596	0.00073543	-0.00216853	0.00024717	-0.00306327
35	-0.00059075	0.00168231	0.00227663	-0.00296989	-0.00168231	0.00097334	0.00296989	-0.00059075
36	0.00045553	0.00045553	0.00287612	-0.00259458	-0.00287612	0.00287612	0.00137201	0.00287612
37	0.00136888	-0.00074044	0.00257400	-0.00117288	-0.00220008	0.00147622	-0.00205721	0.00032929
38	0.00205027	-0.00175109	0.00152719	0.00062943	-0.00021155	-0.00116078	-0.00229896	-0.00268797
39	0.00243544	-0.00235744	0.00010191	0.00203840	0.00176210	-0.00259389	0.00070463	-0.00010192
40	0.00250000	-0.00250000	-0.00125000	0.00250000	0.00250000	-0.00175001	0.00250000	0.00250000
41	0.00225944	-0.00218708	-0.00213131	0.00149127	0.00163476	0.00178509	0.00065371	-0.00009454
42	0.00174452	-0.00150704	-0.00231334	0.00054171	-0.00018206	0.00231334	-0.00197854	-0.00231335
43	0.00109272	-0.00060703	-0.00179188	-0.00093627	-0.00175624	0.00088278	-0.00164220	0.00026285
44	0.00033721	0.00033721	-0.00077250	-0.00192066	-0.00212907	-0.00135657	0.00097863	0.00212907
45	-0.00040541	0.00115452	0.00040541	-0.00203816	-0.00115453	-0.00203816	0.00203816	-0.00040541
46	-0.00104687	0.00170834	0.00137918	-0.00130122	0.00046773	-0.00056905	0.00015720	-0.00194823
47	-0.00151717	0.00191853	0.00187248	-0.00007585	0.00168559	0.00138384	-0.00181251	0.00052490
48	-0.00177176	0.00177176	0.00177176	0.00109501	0.00177176	0.00177176	-0.00109501	0.00177176
49	-0.00179510	0.00131920	0.00114875	0.00172904	0.00030424	0.00075212	0.00111219	-0.00062179
50	-0.00140056	0.00046298	0.00022613	0.00140056	-0.00046297	-0.00137443	0.00140056	-0.00140056

Table 3 - $\Delta f = 0.00075$

CUTOFF FREQ. (1/M) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00075	0.00085	0.00088	0.00095	0.00100	0.00108	0.00115	0.00125
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	1333.	1176.	1132.	1053.	1000.	923.	870.	800.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.00750000	0.00950000	0.01016667	0.01150000	0.01250000	0.01416667	0.01550000	0.01750000
1	0.00749320	0.00948807	0.01015253	0.01148060	0.01247583	0.01413281	0.01545666	0.01743922
2	0.00747283	0.00945234	0.01011021	0.01142253	0.01240352	0.01403157	0.01532715	0.01725773
3	0.00743898	0.00939303	0.01003996	0.01132623	0.01228366	0.01386397	0.01511299	0.01695806
4	0.00739180	0.00931047	0.00994224	0.01119240	0.01211726	0.01363167	0.01481650	0.01659436
5	0.00733149	0.00920514	0.00981764	0.01102204	0.01190569	0.01333499	0.01444119	0.01602236
6	0.00725831	0.00907763	0.00966695	0.01081638	0.01165068	0.01298282	0.01399128	0.01539924
7	0.00717258	0.00892868	0.00949109	0.01057693	0.01135434	0.01257266	0.01347183	0.01468350
8	0.00707467	0.00875912	0.00929116	0.01030543	0.01101904	0.01211050	0.01288865	0.01388483
9	0.00696500	0.00856991	0.00906837	0.01000362	0.01064757	0.01160083	0.01224821	0.01301391
10	0.00684404	0.00836211	0.00882407	0.00967428	0.01024283	0.01104853	0.01155753	0.01208225
11	0.00671230	0.00813689	0.00855979	0.00931914	0.00980808	0.01045884	0.01082407	0.01110197
12	0.00657034	0.00789547	0.00827707	0.00894089	0.00934672	0.00983728	0.01005572	0.01008563
13	0.00641876	0.00763918	0.00797759	0.00854217	0.00886233	0.00918959	0.00926097	0.00904594
14	0.00625818	0.00736942	0.00766312	0.00812570	0.00835863	0.00852165	0.00844653	0.00799562
15	0.00608926	0.00708762	0.00733549	0.00769431	0.00783940	0.00783940	0.00742210	0.00694719
16	0.00591271	0.00679528	0.00699658	0.00725088	0.00730851	0.00714880	0.00679528	0.00591271
17	0.00572923	0.00649393	0.00664830	0.00679831	0.00676980	0.00645572	0.00597395	0.00490365
18	0.00553956	0.00618512	0.00629759	0.00633950	0.00622710	0.00576589	0.00516568	0.00393069
19	0.00534445	0.00587041	0.00593139	0.00587735	0.00568417	0.00508484	0.00437763	0.00300357
20	0.00514466	0.00555138	0.00556664	0.00541469	0.00514966	0.00441782	0.00361698	0.00213099
21	0.00494097	0.00522957	0.00520025	0.00495428	0.00461211	0.00376979	0.00288832	0.00132093
22	0.00473415	0.00490654	0.00483409	0.00449879	0.00408985	0.00314529	0.00219861	0.00057815
23	0.00452496	0.00458378	0.00447000	0.00405078	0.00358109	0.00254896	0.00155211	-0.00009095
24	0.00431417	0.00426276	0.00410972	0.00361265	0.00308861	0.00198301	0.00095284	-0.00068330
25	0.00410255	0.00394489	0.00375495	0.00318466	0.00261522	0.00145212	0.00040407	-0.00119647
26	0.00389084	0.00363155	0.00340727	0.00277490	0.00216330	0.00095898	-0.00009179	-0.00163019
27	0.00367975	0.00332400	0.00306820	0.00237926	0.00173496	0.00050427	-0.00053289	-0.00198428
28	0.00347001	0.00302348	0.00273912	0.00200144	0.00133202	0.00009112	-0.00091847	-0.00224056
29	0.00324229	0.00273111	0.00242130	0.00164294	0.00095601	-0.00027988	-0.00124835	-0.00246180
30	0.00305724	0.00244794	0.00211591	0.00130502	0.00060812	-0.00060812	-0.00152310	-0.00259180
31	0.00235549	0.00217492	0.00182398	0.00098874	0.00028926	-0.00089355	-0.00174398	-0.00265526
32	0.00265764	0.00191290	0.00154640	0.00069494	0.00000000	-0.00113659	-0.00191290	-0.00265764
33	0.00246423	0.00166265	0.00128394	0.00042423	-0.00025938	-0.00133810	-0.00203239	-0.00260505
34	0.00227579	0.00142481	0.00103722	0.00017699	-0.00048889	-0.00149939	-0.00210526	-0.00250905
35	0.00209280	0.00119992	0.00080675	-0.00004659	-0.00068884	-0.00162216	-0.00213510	-0.00236157
36	0.00191568	0.00098894	0.00059286	-0.00024655	-0.00085980	-0.00170845	-0.00212963	-0.00218468
37	0.00174484	0.00079069	0.00039579	-0.00042311	-0.00100257	-0.00176060	-0.00208091	-0.00198052
38	0.00158062	0.00060691	0.00021563	-0.00057669	-0.00111820	-0.00178123	-0.00200521	-0.00175609
39	0.00142333	0.00043723	0.00005234	-0.00070789	-0.00120795	-0.00177313	-0.00190292	-0.00151818
40	0.00127324	0.00028168	-0.00009929	-0.00081747	-0.00127324	-0.00173928	-0.00177846	-0.00127324
41	0.00113055	0.00014020	-0.00022436	-0.00090432	-0.00131566	-0.00168275	-0.00163627	-0.00102725
42	0.00099545	0.00001263	-0.00033842	-0.00097549	-0.00133693	-0.00160667	-0.00148063	-0.00078546
43	0.00086809	-0.00010127	-0.00043688	-0.00102611	-0.00133886	-0.00151419	-0.00131572	-0.00055331
44	0.00074843	-0.00020183	-0.00052032	-0.00105445	-0.00132336	-0.00140841	-0.00114547	-0.00033439
45	0.00063664	-0.00028943	-0.00058939	-0.00107681	-0.00129238	-0.00129238	-0.00097354	-0.00013238
46	0.00053268	-0.00036454	-0.00064480	-0.00107959	-0.00124789	-0.00116901	-0.00080329	0.00009995
47	0.00043650	-0.00042773	-0.00068736	-0.00106922	-0.00119186	-0.00104107	-0.00063774	0.00021054
48	0.00034802	-0.00047953	-0.00071789	-0.00104714	-0.00112623	-0.00091114	-0.00047953	0.00034802
49	0.00026714	-0.00052059	-0.00073727	-0.00101483	-0.00105291	-0.00078160	-0.00033089	0.00046172
50	0.00019369	-0.00055158	-0.00074649	-0.00097374	-0.00097374	-0.00065461	-0.00019369	0.00055158

(Continued)

Table 3 - Δf = 0.00075 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00132	0.00142	0.00155	0.00175	0.00186	0.00200	0.00218	0.00242
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	757.	706.	645.	571.	537.	500.	459.	414.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.01892857	0.02083333	0.02350000	0.02750000	0.02972222	0.03250000	0.03407143	0.04083333
1	0.01805273	0.02073368	0.02335917	0.02727772	0.02949333	0.03213766	0.03557914	0.04012377
2	0.01842640	0.02043658	0.02293975	0.02661769	0.02861651	0.03106572	0.03412718	0.03804098
3	0.01825318	0.01994759	0.02225152	0.02554003	0.02727081	0.02932863	0.03174069	0.03471609
4	0.01773896	0.01927578	0.02131022	0.02407744	0.02545327	0.02699794	0.02868057	0.03036000
5	0.01739184	0.01843359	0.02013729	0.02227398	0.02322637	0.02416867	0.02495629	0.02524268
6	0.01632193	0.01743646	0.01875921	0.02018334	0.02066778	0.02095451	0.02079635	0.01967451
7	0.01544118	0.01630259	0.01720676	0.01786491	0.01786214	0.01748211	0.01639789	0.01398274
8	0.01446310	0.01505232	0.01551415	0.01539145	0.01490239	0.01388483	0.01196244	0.00848728
9	0.01340254	0.01370783	0.01371801	0.01282670	0.01188344	0.01029630	0.00768461	0.00347786
10	0.01227536	0.01229258	0.01185644	0.01024283	0.00889877	0.00684404	0.00374098	-0.00080570
11	0.01109813	0.01083074	0.00996791	0.00770801	0.00603671	0.00343346	0.00028073	-0.00418858
12	0.00988780	0.00934672	0.00809026	0.00528402	0.00337706	0.00079376	-0.00258186	-0.00657034
13	0.00866141	0.00786455	0.00625969	0.00303422	0.00098814	-0.00162807	-0.00477230	-0.00792789
14	0.00743574	0.00640747	0.00450987	0.00100170	-0.00107552	-0.00356798	-0.00625418	-0.00831224
15	0.00622702	0.00499733	0.00287106	-0.00077211	-0.00277479	-0.00499733	-0.00704860	-0.00783990
16	0.00505064	0.00365428	0.00136948	-0.00225845	-0.00408687	-0.00591271	-0.00719106	-0.00667666
17	0.00392087	0.00239620	0.00002671	-0.00343976	-0.00500533	-0.00633464	-0.00676595	-0.00502538
18	0.00285065	0.00123865	-0.00114048	-0.00430977	-0.00553956	-0.00630509	-0.00587934	-0.00310230
19	0.00185133	0.00019435	-0.00212142	-0.00487313	-0.00571339	-0.00588392	-0.00465440	-0.00112047
20	0.00093277	-0.00072644	-0.00290956	-0.00514466	-0.00556325	-0.00514466	-0.00322236	0.00072684
21	0.00010268	-0.00151808	-0.00350438	-0.00514817	-0.00513570	-0.00416968	-0.00171338	0.00228225
22	-0.00043291	-0.00217554	-0.00391019	-0.00491503	-0.00448480	-0.00304521	-0.00024825	0.00343231
23	-0.00126997	-0.00269838	-0.00413590	-0.00448249	-0.00366912	-0.00185651	0.00104882	0.00411382
24	-0.00180640	-0.00308861	-0.00419452	-0.00389187	-0.00274884	-0.00068330	0.00215562	0.00431417
25	-0.00224199	-0.00335088	-0.00410255	-0.00318466	-0.00178285	0.00040407	0.00295557	0.00406734
26	-0.00257832	-0.00349228	-0.00387932	-0.00241065	-0.00082619	0.00134772	0.00343919	0.00344600
27	-0.00281866	-0.00352198	-0.00354617	-0.00160419	0.00007226	0.00210444	0.00360357	0.00255088
28	-0.00294782	-0.00345096	-0.00312580	-0.00081256	0.00087151	0.00264677	0.00347001	0.00149850
29	-0.00303194	-0.00329158	-0.00264138	-0.00006466	0.00153978	0.00296318	0.00308009	0.00040899
30	-0.00301433	-0.00305724	-0.00211591	0.00060812	0.00205527	0.00305724	0.00249062	-0.00060812
31	-0.00293523	-0.00276196	-0.00157149	0.00118265	0.00240628	0.00294599	0.00176793	-0.00145880
32	-0.00279159	-0.00242003	-0.00102869	0.00164251	0.00259093	0.00265764	0.00098188	-0.00207665
33	-0.00259685	-0.00204554	-0.00050606	0.00197810	0.00261633	0.00222872	0.00020022	-0.00242497
34	-0.00236068	-0.00165231	-0.00001748	0.00218646	0.00249738	0.00170106	-0.00051649	-0.00249547
35	-0.00209280	-0.00125310	0.00041716	0.00227081	0.00225525	0.00111862	-0.00111862	-0.00231101
36	-0.00180274	-0.00085940	0.00079417	0.00223983	0.00191568	0.00052450	-0.00157077	-0.00191568
37	-0.00149966	-0.00048295	0.00110412	0.00210475	0.00150716	0.00009176	-0.00185271	-0.00137044
38	-0.00119216	-0.00013164	0.00134285	0.00148831	0.00105912	-0.00054633	-0.00195971	-0.00074583
39	-0.00088815	0.00018663	0.00150911	0.00160367	0.00060024	-0.00096282	-0.00190140	-0.00011210
40	-0.00059471	0.00046604	0.00150438	0.00127324	0.00015694	-0.00127324	-0.00169959	0.00046604
41	-0.00031798	0.00070242	0.00163254	0.00091761	-0.00024790	-0.00146837	-0.00134531	0.00093629
42	-0.00004313	0.00089330	0.00159953	0.00055652	-0.00059582	-0.00154754	-0.00099545	0.00126272
43	0.00016574	0.00103777	0.00151296	0.00020800	-0.00087347	-0.00151783	-0.00054914	0.00142769
44	0.00036555	0.00113640	0.00138163	-0.00011238	-0.00107280	-0.00139282	-0.00014440	0.00143191
45	0.00053428	0.00119107	0.00121514	-0.00039204	-0.00119107	-0.00119107	0.00024487	0.00129238
46	0.00067087	0.00120481	0.00102349	-0.00062169	-0.00123041	-0.00093431	0.00057126	0.00103904
47	0.00077524	0.00119163	0.00081639	-0.00079552	-0.00119728	-0.00069568	0.00081541	0.00071027
48	0.00084813	0.00112623	0.00060346	-0.00091114	-0.00110162	-0.00039802	0.00096681	0.00039802
49	0.00089107	0.00104388	0.00039334	-0.00096933	-0.00095593	-0.00006229	0.00102373	-0.00000692
50	0.00090622	0.00094013	0.00019369	-0.00097374	-0.00077428	0.00019369	0.00099292	-0.00031913

(Continued)

Table 3 - Δf = 0.00075 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00275	0.00325	0.00408	0.00475	0.00575	0.00742	0.00875	0.01075
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	364.	308.	245.	211.	174.	135.	114.	93.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.09750000	0.05750000	0.07416667	0.08750000	0.10750000	0.14083333	0.16750000	0.20750000
1	0.04639058	0.05554709	0.07031998	0.08074492	0.09514944	0.11378496	0.12315406	0.12706136
2	0.04315702	0.04992914	0.05841521	0.06235669	0.06313763	0.05099238	0.03106573	-0.00747283
3	0.03807368	0.04133275	0.04165692	0.03731931	0.02419574	-0.00743898	-0.03050358	-0.04165692
4	0.03156633	0.03078904	0.02296821	0.01211727	-0.00739180	-0.03036000	-0.02499795	0.00739179
5	0.02416868	0.01952331	0.00573508	-0.00733149	-0.02227398	-0.01726494	0.00733148	0.02416868
6	0.01644863	0.00877958	-0.00725831	-0.01743648	-0.01967451	0.00725831	0.02095451	-0.00725830
7	0.00905023	-0.00035140	-0.01491059	-0.01781176	-0.00652328	0.01778728	0.00383570	-0.01639789
8	0.00243777	-0.00707467	-0.01556195	-0.01101906	0.00707467	0.00848728	-0.01388483	0.00707467
9	-0.00295193	-0.01098242	-0.01188349	-0.00135011	0.01332786	-0.00696500	-0.00914952	0.01188349
10	-0.00684404	-0.01209225	-0.00544853	0.00684404	0.01024284	-0.01229258	0.00684404	-0.00684404
11	-0.00912390	-0.01076092	0.00137942	0.01064738	0.00152375	-0.00932308	0.01050799	-0.00886722
12	-0.00943728	-0.00769289	0.00657039	0.00934472	-0.00657039	0.00657039	-0.00079375	0.00657039
13	-0.00917377	-0.00371138	0.00889676	0.00436566	-0.00925932	0.00899088	-0.00911688	0.00447591
14	-0.00743574	0.00033459	0.00813909	-0.00166263	-0.00578500	0.00188087	-0.00356798	-0.00625817
15	-0.00499733	0.00371335	0.00499733	-0.00608926	0.00077211	-0.00608926	0.00608926	-0.00499733
16	-0.00225845	0.00591271	0.00976395	-0.00730851	0.00591271	-0.00667666	0.00591271	0.00591271
17	0.00040047	0.00669662	-0.00312790	-0.00525845	0.00664451	-0.00031155	-0.00297933	0.00364752
18	0.00265811	0.00611072	-0.00553956	-0.00123865	0.00310230	0.00553956	-0.00630509	-0.00553956
19	0.00429183	0.00444015	-0.00592455	0.00280007	-0.00194610	0.00491718	-0.00081385	-0.00259225
20	0.00514466	0.00213099	-0.00491782	0.00514466	-0.00514466	-0.00072689	0.00514466	0.00514466
21	0.00522461	-0.00030747	-0.00171333	0.00500493	-0.00470539	-0.00499097	0.00315637	0.00171339
22	0.00461480	-0.00290344	0.00121078	0.00273275	-0.00133517	-0.00352336	-0.00304521	-0.00473419
23	0.00344290	-0.00380058	0.00342232	-0.00045407	0.00249761	0.00140268	-0.00429433	-0.00099281
24	0.00198301	-0.00431417	0.00431417	-0.00308461	0.00431417	0.00431417	0.00068329	0.00431417
25	0.00040407	-0.00394489	0.00375495	-0.00410255	0.00318666	0.00240121	0.00410256	0.00040407
26	-0.00105695	-0.00285933	0.00207781	-0.00323762	0.00015287	-0.00181303	0.00134773	-0.00389082
27	-0.00222137	-0.00134142	-0.00007224	-0.00106838	-0.00265308	-0.00367976	-0.00301945	0.00007224
28	-0.00294782	0.00027309	-0.00197151	0.00133202	-0.00347001	-0.00149850	-0.00264678	0.00347001
29	-0.00324206	0.00166530	-0.00305089	0.00290497	-0.00198772	0.00202192	0.00193729	-0.00095122
30	-0.00305724	0.00259180	-0.00305724	0.00305724	0.00060812	0.00305724	0.00305724	-0.00305724
31	-0.00248548	0.00292328	-0.00210037	0.00187217	0.00254602	0.00078245	0.00017374	0.00079513
32	-0.00164251	0.00265764	-0.00058099	0.00000000	0.00265764	-0.00207465	-0.00265764	0.00265764
33	-0.00066816	0.00190754	0.00096448	-0.00167877	0.00106049	-0.00246423	-0.00142670	-0.00096448
34	0.00029455	0.00086734	0.00234649	-0.00245783	-0.00104915	-0.00022930	0.00170104	-0.00227579
35	0.00111862	-0.00023253	0.00237173	-0.00209280	-0.00227081	0.00201515	0.00209280	0.00111862
36	0.00170845	-0.00117393	0.00191568	-0.00085980	-0.00191568	0.00191568	-0.00052449	0.00191568
37	0.00200942	-0.00172123	0.00090303	0.00061738	-0.00037389	-0.00018079	-0.00212640	-0.00121608
38	0.00201116	-0.00199876	-0.00028881	0.00167351	0.00124606	-0.00186943	-0.00054639	-0.00158042
39	0.00174452	-0.00179901	-0.00126481	0.00189494	0.00190080	-0.00142333	0.00164274	0.00126480
40	0.00127324	-0.00127324	-0.00173928	0.00127324	0.00127324	0.00046609	0.00127324	0.00127324
41	0.00068207	-0.00055743	-0.00161521	0.00016683	-0.00010020	0.00146708	-0.00086062	-0.00127225
42	0.00006313	0.00018499	-0.00099545	-0.00089330	-0.00126272	0.00099545	-0.00154754	-0.00099545
43	-0.00049738	0.00081348	-0.00012901	-0.00145275	-0.00149448	-0.00064458	0.00002980	0.00124597
44	-0.00093027	0.00122132	0.00068348	-0.00132336	-0.00074843	-0.00143191	0.00139282	0.00074893
45	-0.00119107	0.00134403	0.00119107	-0.00063664	0.00039204	-0.00063664	0.00063664	-0.00119107
46	-0.00126352	0.00119370	0.00126700	0.00024822	0.00115546	0.00073432	-0.00073430	-0.00053268
47	-0.00115882	0.00083004	0.00093544	0.00092577	0.00109725	0.00118408	-0.00100866	0.00111524
48	-0.00091114	0.00034802	0.00034802	0.00112623	0.00034803	0.00034803	0.00034802	0.00034803
49	-0.00057041	-0.00014494	-0.00028051	0.00081785	-0.00053499	-0.00075300	0.00105617	-0.00102373
50	-0.00019369	-0.00055158	-0.00074449	0.00019369	-0.00097374	-0.00099013	0.00019369	-0.00019369

Table 4 - $\Delta f = 0.00100$

CUTOFF FREQ. (1/M) =	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) =	0.00100	0.00110	0.00113	0.00120	0.00125	0.00133	0.00140	0.00150
CUTOFF WAVL. (M) =	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) =	1000.	909.	882.	833.	800.	750.	714.	667.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.01000000	0.01200000	0.01266667	0.01400000	0.01500000	0.01666667	0.01800000	0.02000000
1	0.00998389	0.01197524	0.01263840	0.01396364	0.01495658	0.01660990	0.01792962	0.01990622
2	0.00993567	0.01190171	0.01255387	0.01385500	0.01482689	0.01643896	0.01771965	0.01962670
3	0.00985573	0.01177861	0.01241396	0.01367633	0.01461257	0.01615635	0.01737355	0.01916683
4	0.00974468	0.01160860	0.01222009	0.01342471	0.01431639	0.01576722	0.01689700	0.01853598
5	0.00960337	0.01139281	0.01197422	0.01311201	0.01394194	0.01527676	0.01629779	0.01779472
6	0.00943290	0.01113327	0.01167882	0.01273482	0.01349406	0.01469208	0.01558561	0.01680955
7	0.00923455	0.01083242	0.01133687	0.01229945	0.01297829	0.01402159	0.01477192	0.01579750
8	0.00900984	0.01049305	0.01095176	0.01181078	0.01240098	0.01327483	0.01386960	0.01457823
9	0.00876046	0.01011831	0.01052729	0.01127427	0.01176917	0.01246229	0.01289277	0.01332301
10	0.00848826	0.00971162	0.01006758	0.01069584	0.01109045	0.01159518	0.01185643	0.01200422
11	0.00819527	0.00927664	0.00957706	0.01008174	0.01037285	0.01068529	0.01077416	0.01049980
12	0.00788361	0.00881725	0.00906037	0.00943853	0.00962471	0.00979468	0.00966784	0.00926774
13	0.00755554	0.00833747	0.00852233	0.00877295	0.00885452	0.00878554	0.00854728	0.00789552
14	0.00721339	0.00784144	0.00796783	0.00809178	0.00807082	0.00781992	0.00742994	0.00659962
15	0.00685955	0.00733332	0.00740184	0.00740184	0.00728206	0.00685955	0.00633062	0.00525007
16	0.00649645	0.00681730	0.00682928	0.00670978	0.00649645	0.00591542	0.00526320	0.00401503
17	0.00612454	0.00629751	0.00625499	0.00602209	0.00572187	0.00499862	0.00429040	0.00286042
18	0.00575223	0.00577801	0.00568367	0.00534494	0.00496572	0.00411814	0.00327359	0.00179970
19	0.00537594	0.00526269	0.00511984	0.00468415	0.00423487	0.00328278	0.00237240	0.00089358
20	0.00500000	0.00475528	0.00456773	0.00404509	0.00353553	0.00250000	0.00154509	0.00000000
21	0.00462668	0.00425229	0.00403131	0.00343262	0.00287321	0.00177603	0.00079792	-0.00072601
22	0.00425815	0.00377795	0.00351420	0.00285106	0.00225261	0.00111583	0.00013542	-0.00133224
23	0.00389645	0.00331425	0.00301946	0.00230414	0.00167769	0.00052304	-0.00043972	-0.00181922
24	0.00354352	0.00287084	0.00255054	0.00179496	0.00115136	0.00000000	-0.00092659	-0.00219002
25	0.00320112	0.00245003	0.00210928	0.00132595	0.00067596	-0.00045226	-0.00132595	-0.00245003
26	0.00287088	0.00205382	0.00169789	0.00089893	0.00025280	-0.00083393	-0.00164017	-0.00260671
27	0.00255424	0.00168382	0.00131792	0.00051504	-0.00011741	-0.00119440	-0.00187303	-0.00266917
28	0.00225246	0.00134130	0.00097049	0.00017482	-0.00043554	-0.00139210	-0.00202959	-0.00264793
29	0.00196663	0.00102714	0.00065629	-0.00012183	-0.00070202	-0.00157494	-0.00211578	-0.00255495
30	0.00149765	0.00074190	0.00037557	-0.00037557	-0.00091876	-0.00169765	-0.00213917	-0.00240084
31	0.00144622	0.00048577	0.00012819	-0.00058761	-0.00108809	-0.00176668	-0.00210679	-0.00219993
32	0.00121286	0.00025862	-0.00008641	-0.00075961	-0.00121286	-0.00178700	-0.00202690	-0.00196295
33	0.00099790	0.00005999	-0.00026910	-0.00089368	-0.00129642	-0.00176449	-0.00190775	-0.00170170
34	0.00080149	-0.00011085	-0.00042111	-0.00099232	-0.00134244	-0.00170527	-0.00175759	-0.00142826
35	0.00062340	-0.00025492	-0.00054395	-0.00105830	-0.00135491	-0.00161559	-0.00158451	-0.00115225
36	0.00046403	-0.00037344	-0.00063937	-0.00109465	-0.00133797	-0.00150164	-0.00139619	-0.00088264
37	0.00032245	-0.00046789	-0.00070934	-0.00110457	-0.00129589	-0.00136945	-0.00119981	-0.00062708
38	0.00019835	-0.00053987	-0.00075599	-0.00109139	-0.00123273	-0.00122476	-0.00100189	-0.00039182
39	0.00009112	-0.00059117	-0.00078160	-0.00105445	-0.00115329	-0.00107294	-0.00080819	-0.00018167
40	0.00000000	-0.00062364	-0.00078850	-0.00100910	-0.00106103	-0.00091888	-0.00062366	-0.00000000
41	-0.00007585	-0.00063930	-0.00077910	-0.00094662	-0.00096001	-0.00076699	-0.00045235	0.00015123
42	-0.00013734	-0.00064008	-0.00075579	-0.00087417	-0.00085380	-0.00062089	-0.00029743	0.00027134
43	-0.00018555	-0.00062803	-0.00072093	-0.00079471	-0.00074569	-0.00048385	-0.00016118	0.00036084
44	-0.00022147	-0.00060512	-0.00067683	-0.00071104	-0.00063858	-0.00035835	-0.00004500	0.00042126
45	-0.00024624	-0.00057332	-0.00062568	-0.00062568	-0.00053502	-0.00024624	0.00005049	0.00045499
46	-0.00026099	-0.00053451	-0.00056956	-0.00054089	-0.00043719	-0.00014879	0.00012541	0.00046509
47	-0.00026686	-0.00049046	-0.00051040	-0.00045866	-0.00034469	-0.00006666	0.00018053	0.00045507
48	-0.00026500	-0.00044285	-0.00044995	-0.00038065	-0.00026500	-0.00000000	0.00021719	0.00042877
49	-0.00025652	-0.00039322	-0.00038979	-0.00030825	-0.00019299	0.00005155	0.00023715	0.00039011
50	-0.00024252	-0.00034298	-0.00033129	-0.00024252	-0.00013125	0.00008877	0.00024252	0.00034298

(Continued)

Table 4 - Δf = 0.00100 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00157	0.00167	0.00180	0.00200	0.00211	0.00225	0.00243	0.00267
CUTOFF #AVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN #AVL. (M) -	636.	600.	556.	500.	474.	444.	412.	375.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.02142857	0.02333333	0.02600000	0.03000000	0.03222222	0.03500000	0.03857143	0.04333333
1	0.02131510	0.02319939	0.02590460	0.02970582	0.03186075	0.03459048	0.03794198	0.04247678
2	0.02097712	0.02276114	0.02522418	0.02843445	0.03079187	0.03318562	0.03616905	0.03997023
3	0.02042192	0.02205915	0.02427590	0.02741877	0.02906135	0.03100205	0.03330107	0.03599726
4	0.01966141	0.02110064	0.02278762	0.02551190	0.02674273	0.02809740	0.02952365	0.03089534
5	0.01871176	0.01990904	0.02139686	0.02318460	0.02393336	0.02461264	0.02505535	0.02588014
6	0.01759302	0.01851310	0.01954938	0.02052193	0.02074927	0.02071369	0.02014796	0.01851310
7	0.01632849	0.01694602	0.01749751	0.01761935	0.01731903	0.01658144	0.01506942	0.01216586
8	0.01494414	0.01524449	0.01529821	0.01457823	0.01377713	0.01240098	0.01004519	0.00623465
9	0.01346786	0.01344750	0.01301100	0.01150133	0.01025718	0.00835101	0.00594038	0.00105834
10	0.01192874	0.01159518	0.01069584	0.00848826	0.00688534	0.00459382	0.00134905	-0.00310672
11	0.01035428	0.00972760	0.00841109	0.00563122	0.00377436	0.00126676	-0.00204325	-0.00610444
12	0.00877965	0.00788341	0.00621149	0.00301127	0.00101860	-0.00152440	-0.00461770	-0.00788341
13	0.00722697	0.00609975	0.00419649	0.00069525	-0.00130979	-0.00370989	-0.00633583	-0.00849644
14	0.00572458	0.00440924	0.00225845	-0.00126446	-0.00316327	-0.00525779	-0.00721339	-0.00804968
15	0.00429648	0.00284132	0.00058254	-0.00284132	-0.00451989	-0.00617343	-0.00731982	-0.00485955
16	0.00296376	0.00142020	-0.00085612	-0.00401503	-0.00538272	-0.00649645	-0.00476896	-0.00507626
17	0.00174424	0.00016493	-0.00204088	-0.00479103	-0.00577805	-0.00629577	-0.00570698	-0.00300690
18	0.00065207	-0.00091104	-0.00296462	-0.00518916	-0.00575223	-0.00566302	-0.00429876	-0.00091104
19	-0.00030236	-0.00180007	-0.00362926	-0.00524357	-0.00536774	-0.00470499	-0.00271373	0.00098272
20	-0.00111240	-0.00250000	-0.00404508	-0.00500000	-0.00469846	-0.00353553	-0.00111241	0.00250000
21	-0.00177603	-0.00301408	-0.00422981	-0.00451276	-0.00382476	-0.00226769	0.00034413	0.00352703
22	-0.00229371	-0.00335045	-0.00420740	-0.00384133	-0.00282842	-0.00100444	0.00160504	0.00402487
23	-0.00267016	-0.00352157	-0.00400668	-0.00304708	-0.00178799	0.00015732	0.00253342	0.00400580
24	-0.00291301	-0.00354352	-0.00365988	-0.00219002	-0.00077465	0.00115136	0.00310952	0.00354352
25	-0.00303254	-0.00343523	-0.00320112	-0.00132595	0.00015114	0.00192498	0.00332946	0.00279887
26	-0.00304125	-0.00321765	-0.00266491	-0.00050404	0.00094204	0.00245008	0.00322125	0.00175486
27	-0.00295335	-0.00291291	-0.00208473	0.00023504	0.00156524	0.00272051	0.00283850	0.00049933
28	-0.00278419	-0.00254349	-0.00149185	0.00086036	0.00200278	0.00274992	0.00225246	-0.00029103
29	-0.00254975	-0.00213143	-0.00091419	0.00135133	0.00225100	0.00256837	0.00154357	-0.00111343
30	-0.00224612	-0.00169765	-0.00037557	0.00169765	0.00231904	0.00221809	0.00079295	-0.00169765
31	-0.00194899	-0.00126130	0.00010490	0.00189870	0.00222677	0.00179878	0.00007494	-0.00200992
32	-0.00161327	-0.00083928	0.00051316	0.00196245	0.00200215	0.00121286	-0.00054895	-0.00205214
33	-0.00127263	-0.00044585	0.00084022	0.00190398	0.00167842	0.00066104	-0.00103419	-0.00185710
34	-0.00093927	-0.00009240	0.00108204	0.00174369	0.00129115	0.00013851	-0.00135522	-0.00148061
35	-0.00062360	0.00021270	0.00123911	0.00150549	0.00087555	-0.00031791	-0.00150549	-0.00099200
36	-0.00033415	0.00046403	0.00131590	0.00121485	0.00046403	-0.00068173	-0.00149560	-0.00046403
37	-0.00007745	0.00065908	0.00132020	0.00089706	0.00008432	-0.00093760	-0.00134999	0.00003616
38	0.00014197	0.00079795	0.00126233	0.00057564	-0.00024194	-0.00108111	-0.00110280	0.00045490
39	0.00032150	0.00088309	0.00115433	0.00027111	-0.00049997	-0.00111774	-0.00079309	0.00075423
40	0.00046036	0.00091888	0.00100910	0.00000000	-0.00068202	-0.00106103	-0.00046037	0.00091888
41	0.00055941	0.00091126	0.00083971	-0.00022567	-0.00078701	-0.00093042	-0.00014050	0.00095052
42	0.00062089	0.00086725	0.00065845	-0.00039863	-0.00081974	-0.00074867	0.00013736	0.00086725
43	0.00064822	0.00079454	0.00047722	-0.00051419	-0.00078970	-0.00053952	0.00035287	0.00069850
44	0.00064572	0.00070103	0.00030515	-0.00057982	-0.00070972	-0.00032537	0.00049528	0.00047956
45	0.00061831	0.00059448	0.00015021	-0.00059448	-0.00059448	-0.00012553	0.00056317	0.00029429
46	0.00057126	0.00048213	0.00001806	-0.00056780	-0.00045712	0.00009510	0.00056319	0.00003009
47	0.00050994	0.00037048	-0.00008781	-0.00050917	-0.00031794	0.00017678	0.00050814	-0.00019506
48	0.00043953	0.00026500	-0.00016596	-0.00042877	-0.00018337	0.00026500	0.00041456	-0.00026500
49	0.00036491	0.00017004	-0.00021695	-0.00033677	-0.00006519	0.00031018	0.00030034	-0.00032551
50	0.00029041	0.00008877	-0.00024252	-0.00024252	0.00002989	0.00031687	0.00018248	-0.00033129

(Continued)

Table 4 - $\Delta f = 0.00100$ (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00300	0.00350	0.00433	0.00500	0.00600	0.00767	0.00900	0.01100
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	333.	286.	231.	200.	167.	130.	111.	91.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.05000000	0.06000000	0.07666667	0.09000000	0.11000000	0.14333333	0.17000000	0.21000000
1	0.04849631	0.05777010	0.07207496	0.08264199	0.09676134	0.11485360	0.12373366	0.12685731
2	0.04491070	0.05138336	0.05929480	0.06273137	0.06273137	0.04935913	0.02883445	-0.00993567
3	0.03900480	0.04169880	0.04105708	0.03599726	0.02205915	-0.00985573	-0.03210326	-0.04105208
4	0.03153445	0.02999104	0.02110066	0.00974468	-0.00974468	-0.03084534	-0.02551191	0.00974468
5	0.02318460	0.01774472	0.00327553	-0.00960337	-0.02318459	-0.01527676	0.00960337	0.02318460
6	0.01469208	0.00642068	-0.00943290	-0.01851310	-0.01851311	0.00943290	0.02052194	-0.00943289
7	0.00676348	-0.00276480	-0.01553207	-0.01718550	-0.00412588	0.01766778	0.00138668	-0.01506992
8	0.00000000	-0.00900984	-0.01524949	-0.00900984	0.00900984	0.00623465	-0.01457823	0.00900984
9	-0.00516205	-0.01201884	-0.01025718	0.00105834	0.01344750	-0.00876046	-0.00704803	0.01025718
10	-0.00848826	-0.01200492	-0.00310692	0.00848826	0.00848827	-0.01159518	0.00848826	-0.00848826
11	-0.00995710	-0.00960242	0.00359740	0.01074427	-0.00084559	-0.00196404	0.00918932	-0.00699992
12	-0.00974468	-0.00572778	0.00788361	0.00788361	-0.00788361	0.00788361	-0.00301127	0.00788361
13	-0.00818682	-0.00138622	0.00885831	0.00204864	-0.00861651	0.00778751	-0.00883409	0.00463005
14	-0.00572458	0.00250173	0.00678969	-0.00367541	-0.00367541	-0.00042370	-0.00126646	-0.00721339
15	-0.00284132	0.00525007	0.00284132	-0.00685955	0.00284132	-0.00685955	0.00685955	-0.00284132
16	-0.00000000	0.00649645	-0.00142020	-0.00649645	0.00649645	-0.00507626	0.00401503	0.00649645
17	0.00241114	0.00622305	-0.00457031	-0.00329207	0.00537217	0.00178947	-0.00409192	0.00147084
18	0.00411414	0.00471144	-0.00575223	0.00091104	0.00091107	0.00575223	-0.00518917	-0.00575223
19	0.00498208	0.00244817	-0.00486775	0.00410054	-0.00350219	0.00305430	0.00125887	-0.00042310
20	0.00500000	0.00000000	-0.00250000	0.00500000	-0.00500000	-0.00249999	0.00500000	0.00500000
21	0.00428771	-0.00210694	0.00036413	0.00352903	-0.00301408	-0.00442668	0.00108342	-0.00036412
22	0.00304850	-0.00348785	0.00271314	0.00067443	0.00067442	-0.00154501	-0.00384133	-0.00425814
23	0.00153348	-0.00395784	0.00384215	-0.00209374	0.00341667	0.00275835	-0.00240245	0.00093545
24	0.00000000	-0.00354352	0.00354352	-0.00354352	0.00354352	0.00354352	0.00219001	0.00354352
25	-0.00132595	-0.00245004	0.00210928	-0.00320113	0.00132595	0.00045226	0.00320113	-0.00132595
26	-0.00227834	-0.00099567	0.00016863	-0.00146279	-0.00146279	-0.00270225	-0.00050404	-0.00287088
27	-0.00274765	0.00046863	-0.00156524	0.00069933	-0.00291291	-0.00255424	-0.00298645	0.00156524
28	-0.00278419	0.00163651	-0.00254349	0.00225246	-0.00225246	0.00029103	-0.00086037	0.00225246
29	-0.00238942	0.00230440	-0.00254299	0.00257832	-0.00020292	0.00243795	0.00220518	-0.00167966
30	-0.00169765	0.00240084	-0.00169765	0.00169765	0.00169765	0.00169765	0.00169765	-0.00169765
31	-0.00085218	0.00198414	-0.00040581	0.00017472	0.00221999	-0.00079334	-0.00116352	0.00169331
32	-0.00000000	0.00121284	0.00083928	-0.00121286	0.00121286	-0.00205214	-0.00196245	0.00121287
33	0.00073087	0.00029877	0.00162843	-0.00185710	-0.00044585	-0.00099790	0.00014984	-0.00162843
34	0.00124835	-0.00054555	0.00176301	-0.00157301	-0.00157301	0.00096152	0.00174369	-0.00080199
35	0.00150549	-0.00115225	0.00124280	-0.00062360	-0.00150549	0.00161559	0.00062360	0.00150549
36	0.00150164	-0.00192814	0.00046403	0.00046403	-0.00046403	0.00046403	-0.00121485	0.00046403
37	0.00127612	-0.00136426	-0.00039230	0.00117772	0.00072171	0.00100193	-0.00105032	-0.00134310
38	0.00089458	-0.00102580	-0.00098539	0.00125235	0.00125235	-0.00118374	0.00057564	-0.00019835
39	0.00044493	-0.00052724	-0.00115776	0.00075423	0.00088309	-0.00009112	0.00112925	0.00115776
40	0.00000000	-0.00000000	-0.00091888	0.00000000	0.00000000	0.00091888	0.00000000	0.00000000
41	-0.00034994	0.00043888	-0.00041618	-0.00062763	-0.00073509	0.00079669	-0.00094000	-0.00094373
42	-0.00042089	0.00071037	0.00013736	-0.00086725	-0.00086725	-0.00013736	-0.00039863	0.00013736
43	-0.00073431	0.00078503	0.00054711	-0.00067769	-0.00041529	-0.00076208	0.00060438	0.00077285
44	-0.00071669	0.00068161	0.00070103	-0.00022147	0.00022147	-0.00047956	0.00057982	-0.00022147
45	-0.00059448	0.00045499	0.00059448	0.00024624	0.00059448	0.00024624	-0.00024624	-0.00059448
46	-0.00040650	0.00017765	0.00031310	0.00051222	0.00051222	0.00057409	-0.00056780	0.00026099
47	-0.00019545	-0.00007990	-0.00001337	0.00049463	0.00011923	0.00029370	-0.00004007	0.00043548
48	-0.00000000	-0.00026500	-0.00026500	0.00026500	-0.00026500	-0.00026500	0.00042877	-0.00026499
49	0.00015115	-0.00035193	-0.00037232	-0.00003099	-0.00039376	-0.00038836	0.00020638	-0.00030039
50	0.00024252	-0.00034298	-0.00033129	-0.00024252	-0.00024252	-0.00008877	-0.00024252	0.00024252

Table 5 - $\Delta f = 0.00125$

CUTOFF FREQ. (1/M) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00125	0.00135	0.00138	0.00145	0.00150	0.00158	0.00165	0.00175
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	800.	741.	723.	690.	667.	632.	606.	571.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.01250000	0.01450000	0.01516667	0.01650000	0.01750000	0.01916667	0.02050000	0.02250000
1	0.01246854	0.01445547	0.01511702	0.01643884	0.01742903	0.01907694	0.02039292	0.02236265
2	0.01237454	0.01432253	0.01496882	0.01625639	0.01721742	0.01880958	0.02007408	0.02195419
3	0.01221915	0.01410308	0.01472431	0.01595571	0.01686899	0.01837006	0.01955069	0.02128997
4	0.01200422	0.01380025	0.01438716	0.01554181	0.01639001	0.01776733	0.01883430	0.02037223
5	0.01173234	0.01341832	0.01396243	0.01502157	0.01578907	0.01701355	0.01794093	0.01923903
6	0.01140474	0.01296268	0.01345641	0.01440355	0.01507681	0.01612380	0.01689012	0.01791373
7	0.01103127	0.01243964	0.01287653	0.01369781	0.01426571	0.01511564	0.01570457	0.01642895
8	0.01061033	0.01195549	0.01223121	0.01291567	0.01336980	0.01400863	0.01440947	0.01482053
9	0.01014877	0.01122107	0.01152969	0.01204998	0.01240426	0.01282385	0.01303173	0.01312636
10	0.00965196	0.01054190	0.01078140	0.01117236	0.01138519	0.01158333	0.01159929	0.01138519
11	0.00912515	0.00982785	0.00999793	0.01023787	0.01032895	0.01030947	0.01014008	0.00963519
12	0.00857494	0.00908808	0.00918832	0.00927976	0.00925230	0.00902448	0.00868177	0.00791328
13	0.00800565	0.00831178	0.00836381	0.00831169	0.00817151	0.00774985	0.00725053	0.00625356
14	0.00742473	0.00754408	0.00753470	0.00734491	0.00710228	0.00650587	0.00587065	0.00468666
15	0.00683759	0.00680588	0.00671104	0.00639807	0.00605939	0.00531110	0.00456384	0.00323881
16	0.00625000	0.00605344	0.00590235	0.00547492	0.00505636	0.00418207	0.00334892	0.00193136
17	0.00566752	0.00531735	0.00511749	0.00459412	0.00410522	0.00313288	0.00224119	0.00078028
18	0.00509540	0.00461031	0.00436448	0.00375911	0.00321633	0.00217503	0.00125299	-0.00020374
19	0.00453454	0.00393308	0.00365040	0.00297989	0.00239821	0.00131723	0.00039068	-0.00101692
20	0.00400141	0.00329319	0.00298133	0.00226299	0.00165744	0.00056532	-0.00033981	-0.00165744
21	0.00348799	0.00269604	0.00236222	0.00161337	0.00099860	-0.00007765	-0.00093837	-0.00213229
22	0.00300177	0.00214490	0.00179691	0.00103441	0.00042433	-0.00061139	-0.00140772	-0.00245061
23	0.00254568	0.00164287	0.00128808	0.00052794	-0.00006466	-0.00103813	-0.00175365	-0.00262574
24	0.00212207	0.00119184	0.00083727	0.00009427	-0.00046947	-0.00136245	-0.00198463	-0.00267396
25	0.00173272	0.00079285	0.00044492	-0.00026771	-0.00079285	-0.00159092	-0.00211132	-0.00261369
26	0.00137884	0.00044549	0.00011042	-0.00056040	-0.00103905	-0.00173180	-0.00214608	-0.00244464
27	0.00106106	0.00015016	-0.00015779	-0.00078736	-0.00121354	-0.00179468	-0.00210299	-0.00229699
28	0.00077949	-0.00009595	-0.00039215	-0.00095313	-0.00132287	-0.00179008	-0.00199460	-0.00198069
29	0.00053371	-0.00029475	-0.00056586	-0.00106309	-0.00137435	-0.00172906	-0.00183686	-0.00168498
30	0.00032281	-0.00044915	-0.00069275	-0.00112321	-0.00137583	-0.00162290	-0.00164322	-0.00137583
31	0.00014548	-0.00056260	-0.00077717	-0.00113990	-0.00133549	-0.00148268	-0.00142692	-0.00104992
32	0.00000000	-0.00063895	-0.00082302	-0.00111982	-0.00124138	-0.00131903	-0.00120004	-0.00077957
33	-0.00011546	-0.00068231	-0.00083748	-0.00106969	-0.00116166	-0.00114180	-0.00097337	-0.00051998
34	-0.00020382	-0.00069702	-0.00082302	-0.00099410	-0.00104392	-0.00095989	-0.00075593	-0.00028358
35	-0.00026677	-0.00068749	-0.00078730	-0.00090537	-0.00071526	-0.00078101	-0.00055509	-0.00009015
36	-0.00030780	-0.00065906	-0.00073306	-0.00080393	-0.00078210	-0.00061161	-0.00037637	0.00006311
37	-0.00032906	-0.00061302	-0.00066583	-0.00069567	-0.00065003	-0.00045681	-0.00022351	0.00017625
38	-0.00033353	-0.00056443	-0.00059000	-0.00058489	-0.00052379	-0.00032035	-0.00009857	0.00025139
39	-0.00032400	-0.00049209	-0.00050958	-0.00048120	-0.00040721	-0.00020467	-0.00000201	0.00029202
40	-0.00030315	-0.00042344	-0.00042813	-0.00038199	-0.00030315	-0.00011096	0.00006707	0.00030315
41	-0.00027359	-0.00035359	-0.00034873	-0.00029194	-0.00021361	-0.00003930	0.00011069	0.00029036
42	-0.00023773	-0.00028520	-0.00027393	-0.00021298	-0.00013970	0.00001122	0.00013180	0.00025965
43	-0.00019783	-0.00022050	-0.00020575	-0.00014635	-0.00008176	0.00004232	0.00013398	0.00021709
44	-0.00015590	-0.00016179	-0.00014569	-0.00009264	-0.00003939	0.00005633	0.00012118	0.00016822
45	-0.00011374	-0.00010890	-0.00009477	-0.00005187	-0.00001165	0.00005603	0.00009751	0.00011829
46	-0.00007289	-0.00006427	-0.00005351	-0.00002352	0.00000292	0.00004447	0.00006700	0.00007153
47	-0.00003464	-0.00002792	-0.00002201	-0.00000466	0.00000612	0.00002477	0.00003339	0.00003132
48	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
49	0.00003025	0.00001945	0.00001312	-0.00000203	-0.00001327	-0.00002699	-0.00003038	-0.00002107
50	0.00005559	0.00003149	0.00001822	-0.00001106	-0.00003149	-0.00005367	-0.00005559	-0.00003199

(Continued)

Table 5 - Δf = 0.00125 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00182	0.00192	0.00205	0.00225	0.00236	0.00250	0.00268	0.00292
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	549.	522.	488.	444.	424.	400.	373.	343.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.02392857	0.02583333	0.02850000	0.03250000	0.03472222	0.03750000	0.04107143	0.04583333
1	0.02376425	0.02563304	0.02823681	0.03211849	0.03426214	0.03692646	0.04032601	0.04480894
2	0.02328389	0.02503853	0.02745703	0.03079316	0.03290569	0.03523972	0.03814194	0.04182219
3	0.02249507	0.02406365	0.02618955	0.02917459	0.03072265	0.03253884	0.03466818	0.03712330
4	0.02142187	0.02275393	0.02448096	0.02674407	0.02782423	0.02898074	0.03014257	0.03110017
5	0.02009407	0.02113533	0.02239334	0.02381476	0.02435581	0.02476861	0.02486693	0.02423829
6	0.01854801	0.01926254	0.02000133	0.02051576	0.02048763	0.02013708	0.01918141	0.01707139
7	0.01692529	0.01719205	0.01738856	0.01698469	0.01640393	0.01533546	0.01394165	0.01012853
8	0.01497128	0.01498471	0.01464390	0.01336980	0.01229160	0.01061033	0.00798329	0.00388365
9	0.01303351	0.01273350	0.01185733	0.00981396	0.00832888	0.00618892	0.00310068	-0.00128686
10	0.01105999	0.01041107	0.00911611	0.00644916	0.00467516	0.00226465	-0.00097567	-0.00513417
11	0.00909764	0.00816735	0.00650098	0.00338996	0.00146236	-0.00101417	-0.00409326	-0.00755183
12	0.00719073	0.00602747	0.00438309	0.00072817	-0.00121140	-0.00355165	-0.00614430	-0.00857494
13	0.00537948	0.00403989	0.00192102	-0.00147069	-0.00328560	-0.00530726	-0.00726459	-0.00836190
14	0.00369895	0.00224488	0.00005946	-0.00316933	-0.00473836	-0.00629438	-0.00742473	-0.00716894
15	0.00217807	0.00067344	-0.00147245	-0.00435871	-0.00558480	-0.00657482	-0.00681601	-0.00531110
16	0.00083496	-0.00065330	-0.00256112	-0.00505636	-0.00587308	-0.00625000	-0.00563106	-0.00312500
17	-0.00030337	-0.00172435	-0.00350611	-0.00530321	-0.00567835	-0.00549972	-0.00408301	-0.00092768
18	-0.00124112	-0.00253350	-0.00432888	-0.00515921	-0.00509540	-0.00431967	-0.00234451	0.00101354
19	-0.00197351	-0.00310371	-0.00425090	-0.00469803	-0.00423052	-0.00300878	-0.00072879	0.00250450
20	-0.00250628	-0.00343608	-0.00421142	-0.00400141	-0.00319321	-0.00165744	0.00072548	0.00343408
21	-0.00245097	-0.00355950	-0.00395472	-0.00315340	-0.00208850	-0.00038766	0.00184437	0.00378469
22	-0.00302409	-0.00349712	-0.00352933	-0.00223505	-0.00101024	0.00070432	0.00262339	0.00340297
23	-0.00304609	-0.00328974	-0.00298526	-0.00131975	-0.00003592	0.00155240	0.00298682	0.00299966
24	-0.00294036	-0.00296411	-0.00237130	-0.00046997	0.00077673	0.00212207	0.00298218	0.00212207
25	-0.00273103	-0.00255624	-0.00173272	0.00026771	0.00139137	0.00240879	0.00267108	0.00112723
26	-0.00244440	-0.00209996	-0.00110933	0.00045901	0.00179279	0.00243415	0.00213769	0.00016232
27	-0.00210514	-0.00162254	-0.00053405	0.00128703	0.00198511	0.00224006	0.00197619	-0.00065340
28	-0.00173676	-0.00115372	-0.00003199	0.00154888	0.00198863	0.00188187	0.00077949	-0.00129000
29	-0.00136054	-0.00071469	0.00037991	0.00165425	0.00183584	0.00142124	0.00012882	-0.00156132
30	-0.00099497	-0.00032281	0.00049275	0.00162290	0.00156688	0.00091930	-0.00041330	-0.00162290
31	-0.00065522	0.00000971	0.00070509	0.00148166	0.00122503	0.00043085	-0.00080721	-0.00146491
32	-0.00035284	0.00027575	0.00102192	0.00126138	0.00085252	0.00000000	-0.00103694	-0.00119860
33	-0.00009588	0.00047290	0.00105351	0.00099345	0.00048701	-0.00034255	-0.00110829	-0.00079841
34	0.00011115	0.00060294	0.00101391	0.00070916	0.00015893	-0.00058092	-0.00104432	-0.00033582
35	0.00026697	0.00067125	0.00091952	0.00043354	-0.00011009	-0.00071093	-0.00088009	0.00003009
36	0.00037317	0.00068580	0.00078741	0.00018777	-0.00043780	-0.00074310	-0.00065597	0.00030780
37	0.00043169	0.00065647	0.00063507	-0.00001371	-0.00043096	-0.00069468	-0.00041188	0.00047718
38	0.00045431	0.00057413	0.00047724	-0.00016296	-0.00048414	-0.00058880	-0.00018231	0.00053893
39	0.00044205	0.00040983	0.00032709	-0.00025425	-0.00047778	-0.00045041	0.00000716	0.00050826
40	0.00040466	0.00041411	0.00019464	-0.00030315	-0.00042709	-0.00030315	0.00014160	0.00041411
41	0.00035002	0.00031639	0.00008647	-0.00030534	-0.00034786	-0.00016684	0.00021677	0.00028769
42	0.00028570	0.00022453	0.00000674	-0.00027518	-0.00025643	-0.00005578	0.00023773	0.00015885
43	0.00021855	0.00014454	-0.00004442	-0.00022427	-0.00016702	0.00002199	0.00021639	0.00005094
44	0.00015441	0.00008052	-0.00006944	-0.00016408	-0.00009067	0.00006458	0.00016848	-0.00002203
45	0.00009789	0.00003450	-0.00007174	-0.00010482	-0.00003450	0.00007540	0.00011044	-0.00005603
46	0.00005226	0.00000680	-0.00005689	-0.00005458	-0.00000162	0.00006180	0.00005678	-0.00005588
47	0.00001992	-0.00000384	-0.00003095	-0.00001477	0.00000844	0.00003331	0.00001810	-0.00003258
48	0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000	-0.00000000
49	-0.00000651	0.00001503	0.00003039	0.00000179	-0.00002173	-0.00002909	0.00000298	0.00002895
50	-0.00000159	0.00003737	0.00005559	-0.00001106	-0.00004969	-0.00004712	0.00002315	0.00009261

(Continued)

Table 5 - Δf = 0.00125 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00325	0.00375	0.00458	0.00525	0.00625	0.00792	0.00925	0.01125
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	308.	267.	218.	190.	160.	126.	108.	89.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.05250000	0.06250000	0.07916667	0.09250000	0.11250000	0.14583333	0.17250000	0.21250000
1	0.05397836	0.05996532	0.07409568	0.08449406	0.09833293	0.11586895	0.12424220	0.12659522
2	0.04457794	0.05273997	0.06006341	0.06299015	0.06221109	0.04748907	0.02455552	-0.01237459
3	0.03977035	0.04189097	0.04028113	0.03453370	0.01984282	-0.01221914	-0.03356215	-0.04028113
4	0.03127183	0.02898075	0.01709595	0.00732784	-0.01200422	-0.03110017	-0.02306282	0.01200421
5	0.02194966	0.01578907	0.00091433	-0.01173233	-0.02381676	-0.01314279	0.01173233	0.02194966
6	0.01271098	0.00400552	-0.01140674	-0.01926256	-0.01707139	0.01140674	0.01976074	-0.01140674
7	0.00439750	-0.00504767	-0.01627419	-0.01619262	-0.00170439	0.01715644	-0.00102368	-0.01344165
8	-0.00234734	-0.01061033	-0.01449398	-0.00681225	0.01061033	0.00388365	-0.01482053	0.01061033
9	-0.00707829	-0.01254357	-0.00832888	0.00331493	0.01306567	-0.01014877	-0.00478510	0.00832888
10	-0.00965186	-0.01134514	-0.00075721	0.00965186	0.00644917	-0.01041107	0.00965185	-0.00965185
11	-0.01014576	-0.00799924	0.00546386	0.01024932	0.00300354	0.00033854	0.00755860	-0.00487750
12	-0.00702448	-0.00355165	0.00857444	0.00602747	-0.00857444	0.00857444	-0.00484726	0.00857444
13	-0.00667029	0.00082000	0.00814734	-0.00016425	-0.00737805	0.00610596	-0.00790414	0.00242849
14	-0.00369895	0.00420577	0.00499137	-0.00513865	-0.00147687	-0.00243335	0.00084978	-0.00742473
15	-0.00067344	0.00605939	0.00067344	-0.00683758	0.00435871	-0.00683758	0.00683758	-0.00067345
16	0.00193136	0.00625000	-0.00312500	-0.00505436	0.00625000	-0.00312501	0.00193137	0.00625000
17	0.00378288	0.00502249	-0.00518731	-0.00122048	0.00361283	-0.00331717	-0.00491322	-0.00055820
18	0.00471801	0.00284631	-0.00509540	0.00253850	-0.00101354	0.00509540	-0.00352652	-0.00509540
19	0.00474185	0.00046487	-0.00324212	0.00448099	-0.00418274	0.00107697	0.00271185	0.00137675
20	0.00400141	-0.00165744	-0.00056532	0.00400141	-0.00400141	-0.00343608	0.00400141	0.00400141
21	0.00274116	-0.00305725	0.00196437	0.00172400	-0.00114808	-0.00348779	-0.00046527	-0.00186437
22	0.00124955	-0.00354083	0.00323789	-0.00097995	0.00200572	0.00023612	-0.00360742	-0.00300178
23	-0.00019387	-0.00315140	0.00324921	-0.00277359	0.00327734	0.00308213	-0.00083151	0.00208918
24	-0.00136245	-0.00212207	0.00212207	-0.00296411	0.00212207	0.00212207	0.00767396	0.00212207
25	-0.00211132	-0.00079285	0.00044492	-0.00173272	-0.00026771	-0.00096210	0.00173272	-0.00211132
26	-0.00238466	0.00048418	-0.00109747	0.00009744	-0.00206357	-0.00247653	-0.00153649	-0.00137884
27	-0.00222967	0.00142795	-0.00198511	0.00156007	-0.00215397	-0.00106107	-0.00202524	0.00198511
28	-0.00173476	0.00188187	-0.00201949	0.00203064	-0.00077950	0.00124000	0.00047551	0.00077950
29	-0.00105127	0.00182972	-0.00134191	0.00146593	0.00086670	0.00179055	0.00183822	-0.00175991
30	-0.00032281	0.00137583	-0.00032281	0.00032281	0.00162290	0.00032281	0.00032282	-0.00032282
31	0.00031808	0.00069966	0.00061255	-0.00075051	0.00114733	-0.00120646	-0.00135984	0.00147709
32	0.00077957	0.00000000	0.00114843	-0.00126138	0.00000000	-0.00114660	-0.00077958	0.00000000
33	0.00101906	-0.00055626	0.00117435	-0.00108113	-0.00091218	0.00011566	0.00078384	-0.00117435
34	0.00133748	-0.00086864	0.00078547	-0.00043739	-0.00102465	0.00098928	0.00091152	0.00020381
35	0.00049007	-0.00091524	0.00020884	0.00026697	-0.00043354	0.00042870	-0.00026697	0.00088007
36	0.00061161	-0.00074310	-0.00030780	0.00068580	0.00030780	-0.00030780	-0.00080184	-0.00030780
37	0.00030463	-0.00044281	-0.00059278	0.00068717	0.00046799	-0.00049767	-0.00039564	-0.00061562
38	0.00002357	-0.00011712	-0.00059905	0.00037167	0.00049916	-0.00026552	0.00056323	0.00033353
39	-0.00014614	0.00014825	-0.00039479	-0.00003007	0.00005046	0.00032400	0.00027535	0.00039479
40	-0.00030315	0.00030315	-0.00011096	-0.00030315	-0.00030315	0.00041411	-0.00030315	-0.00030315
41	-0.00032958	0.00033868	0.00012467	-0.00035331	-0.00035222	0.00005765	-0.00024808	-0.00022453
42	-0.00028570	0.00028042	0.00023773	-0.00022453	-0.00015885	-0.00023773	0.00009896	0.00023773
43	-0.00020182	0.00017340	0.00022419	-0.00003943	0.00006511	-0.00019049	0.00022220	0.00010574
44	-0.00010759	0.00006458	0.00013387	0.00008817	0.00015590	0.00002203	0.00001324	-0.00015590
45	-0.00003450	-0.00001165	0.00003450	0.00011374	0.00010482	0.00011374	-0.00011374	-0.00003450
46	0.00020874	-0.00004129	-0.00002349	0.00006749	0.00001450	0.00004900	-0.00003632	0.00007289
47	0.00001760	-0.00003070	-0.00002829	0.00001395	-0.00002208	-0.00001436	0.00002602	0.00000391
48	0.00000000	0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000
49	-0.00002969	0.00002681	0.00002471	0.00002622	0.00001928	0.00001255	0.00001218	-0.00000278
50	-0.00005559	0.00003149	0.00001872	0.00005559	-0.00001106	-0.00003737	0.00005559	-0.00005559

Table 6 - $\Delta f = 0.00150$

CUTOFF FREQ. (1/M) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00150	0.00160	0.00163	0.00170	0.00175	0.00183	0.00190	0.00200
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	667.	625.	612.	588.	571.	545.	526.	500.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.01500000	0.01700000	0.01766667	0.01900000	0.02000000	0.02166667	0.02300000	0.02500000
1	0.01474566	0.01692726	0.01758689	0.01890469	0.01989168	0.02153392	0.02284506	0.02480703
2	0.01478360	0.01671052	0.01734925	0.01862095	0.01956939	0.02113928	0.02238481	0.02423453
3	0.01451442	0.01635410	0.01695872	0.01815526	0.01904098	0.02049344	0.02163276	0.02330137
4	0.01414935	0.01586510	0.01642343	0.01751824	0.01831928	0.01941379	0.02041085	0.02203812
5	0.01368809	0.01525318	0.01575444	0.01672423	0.01742163	0.01852376	0.01934656	0.02048567
6	0.01314069	0.01453030	0.01496542	0.01579094	0.01636935	0.01725200	0.01788178	0.01869343
7	0.01251635	0.01371039	0.01407226	0.01473883	0.01518699	0.01583134	0.01625140	0.01671725
8	0.01182542	0.01280899	0.01309264	0.01359056	0.01390161	0.01429760	0.01450176	0.01461702
9	0.01107912	0.01184283	0.01204550	0.01237024	0.01254185	0.01268840	0.01267900	0.01245420
10	0.01028933	0.01082937	0.01095060	0.01110276	0.01113709	0.01104181	0.01082937	0.01028933
11	0.00944829	0.00978641	0.00982790	0.00981308	0.00971653	0.00939515	0.00899758	0.00817970
12	0.00862835	0.00873159	0.00869713	0.00852551	0.00830834	0.00778375	0.00722529	0.00617722
13	0.00778167	0.00768199	0.00757724	0.00726309	0.00693887	0.00623991	0.00554980	0.00432640
14	0.00694002	0.00665373	0.00648595	0.00604496	0.00563195	0.00479196	0.00400289	0.00266404
15	0.00611448	0.00566161	0.00543938	0.00489588	0.00440830	0.00346358	0.00261004	0.00121625
16	0.00531628	0.00471879	0.00445166	0.00382581	0.00328502	0.00227318	0.00138988	0.00000000
17	0.00455158	0.00383658	0.00353471	0.00284961	0.00227539	0.00123371	0.00035378	-0.00097779
18	0.00383136	0.00302420	0.00269800	0.00197688	0.00138857	0.00035256	-0.00049309	-0.00171960
19	0.00316129	0.00228871	0.00194849	0.00121382	0.00062972	-0.00036833	-0.00115338	-0.00223491
20	0.00254448	0.00163494	0.00129058	0.00056336	0.00000000	-0.00093208	-0.00163494	-0.00254448
21	0.00199089	0.00106552	0.00072613	0.00002526	-0.00050306	-0.00134633	-0.00195098	-0.00247385
22	0.00149485	0.00058094	0.00025466	-0.00040365	-0.00088527	-0.00162264	-0.00211889	-0.00264673
23	0.00106535	0.00017972	-0.00012652	-0.00072911	-0.00115526	-0.00177565	-0.00215918	-0.00249578
24	0.00069605	-0.00014143	-0.00042207	-0.00095905	-0.00132396	-0.00182228	-0.00209928	-0.00225294
25	0.00038738	-0.00038738	-0.00063826	-0.00110316	-0.00140405	-0.00178086	-0.00194798	-0.00194798
26	0.00013668	-0.00056427	-0.00078272	-0.00117239	-0.00140931	-0.00167027	-0.00174179	-0.00160991
27	-0.00005966	-0.00067928	-0.00086405	-0.00117853	-0.00135408	-0.00150918	-0.00149909	-0.00126360
28	-0.00020604	-0.00074032	-0.00089151	-0.00113368	-0.00125263	-0.00131529	-0.00123923	-0.00093133
29	-0.00030746	-0.00075571	-0.00087464	-0.00104984	-0.00111874	-0.00110476	-0.00097945	-0.00062929
30	-0.00036936	-0.00073393	-0.00082296	-0.00093852	-0.00096519	-0.00089172	-0.00073393	-0.00036936
31	-0.00039744	-0.00068333	-0.00074565	-0.00081037	-0.00080339	-0.00048792	-0.00051354	-0.00015869
32	-0.00039749	-0.00061189	-0.00065134	-0.00067492	-0.00064316	-0.00050256	-0.00032579	-0.00000000
33	-0.00037521	-0.00052703	-0.00054784	-0.00054038	-0.00049251	-0.00034221	-0.00017494	0.00010784
34	-0.00033609	-0.00043541	-0.00044199	-0.00041346	-0.00035758	-0.00021090	-0.00006228	0.00016914
35	-0.00028528	-0.00034281	-0.00033955	-0.00029935	-0.00024261	-0.00011029	0.00001347	0.00019062
36	-0.00022745	-0.00025414	-0.00024514	-0.00020170	-0.00015005	-0.00003993	0.00005569	0.00018050
37	-0.00016677	-0.00017316	-0.00016220	-0.00012269	-0.00008070	0.00000233	0.00006931	0.00014780
38	-0.00010679	-0.00010273	-0.00009303	-0.00006315	-0.00003394	0.00002001	0.00006029	0.00010196
39	-0.00005043	-0.00004470	-0.00003888	-0.00002270	-0.00000794	0.00001758	0.00003506	0.00004981
40	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000
41	0.00004287	0.00003123	0.00002417	0.00000709	-0.00000675	-0.00002760	-0.00003891	-0.00004234
42	0.00007712	0.00004959	0.00003489	0.00000125	-0.00002451	-0.00006031	-0.00007650	-0.00007328
43	0.00010228	0.00005623	0.00003396	-0.00001451	-0.00004949	-0.00009369	-0.00010861	-0.00009065
44	0.00011836	0.00005275	0.00002352	-0.00003706	-0.00007808	-0.00012401	-0.00013224	-0.00009393
45	0.00012579	0.00004104	0.00000594	-0.00006334	-0.00010497	-0.00014838	-0.00014540	-0.00008905
46	0.00012538	0.00002323	-0.00001638	-0.00009052	-0.00013339	-0.00016482	-0.00014807	-0.00006310
47	0.00011818	0.00000137	-0.00004109	-0.00011616	-0.00015513	-0.00017231	-0.00014005	-0.00003397
48	0.00010547	-0.00002249	-0.00006605	-0.00013425	-0.00017065	-0.00017065	-0.00012283	-0.00000000
49	0.00008858	-0.00004646	-0.00008941	-0.00015531	-0.00017906	-0.00016494	-0.00009834	0.00003537
50	0.00006892	-0.00006892	-0.00010964	-0.00016490	-0.00018011	-0.00019289	-0.00006892	0.00006892

(Continued)

Table 6 - Δf = 0.00150 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00207	0.00217	0.00230	0.00250	0.00261	0.00275	0.00293	0.00317
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	483.	462.	435.	400.	383.	369.	341.	316.
N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.02642957	0.02833333	0.03100000	0.03500000	0.03722222	0.04000000	0.04357143	0.04833333
1	0.02620472	0.02806315	0.03065430	0.03451596	0.03669407	0.03929357	0.04266983	0.04711884
2	0.02554122	0.02726335	0.02963300	0.03308872	0.03495299	0.03722319	0.04003730	0.04359203
3	0.02446177	0.02596564	0.02798255	0.03079848	0.03224627	0.03393127	0.03588324	0.03808876
4	0.02300467	0.02422101	0.02577730	0.02776966	0.02868902	0.02969121	0.03053317	0.03112370
5	0.02122094	0.02209707	0.02311507	0.02416449	0.02499147	0.02463790	0.02439599	0.02333037
6	0.01917196	0.01967457	0.02011143	0.02017125	0.01989481	0.01929332	0.01792909	0.01538577
7	0.01692662	0.01704330	0.01689306	0.01599125	0.01515309	0.01378950	0.01157000	0.00793629
8	0.01455818	0.01429760	0.01359056	0.01182542	0.01051460	0.00859167	0.00574486	0.00152770
9	0.01214102	0.01153177	0.01033135	0.00786137	0.00620461	0.00392396	0.00074311	-0.00344480
10	0.00974744	0.00883565	0.00723296	0.00426198	0.00241051	0.00000000	-0.00308319	-0.00677983
11	0.00744464	0.00629057	0.00439722	0.00115429	-0.00072905	-0.00309000	-0.00573768	-0.00845453
12	0.00529212	0.00396602	0.00190568	-0.00136460	-0.00313067	-0.00513483	-0.00718093	-0.00862835
13	0.00333953	0.00191694	-0.00018348	-0.00326039	-0.00476775	-0.00630036	-0.00751854	-0.00759566
14	0.00142513	0.00019223	-0.00183695	-0.00452112	-0.00566745	-0.00662076	-0.00694002	-0.00573719
15	0.00017485	-0.00121625	-0.00304620	-0.00518361	-0.00590342	-0.00623427	-0.00569054	-0.00346358
16	-0.00099792	-0.00227318	-0.00382581	-0.00531528	-0.00558541	-0.00531528	-0.00403957	-0.00116178
17	-0.00189199	-0.00299873	-0.00421052	-0.00500310	-0.00484080	-0.00405477	-0.00225030	0.00084877
18	-0.00251739	-0.00341690	-0.00425125	-0.00436937	-0.00383136	-0.00264123	-0.00055318	0.00234786
19	-0.00289391	-0.00356294	-0.00401042	-0.00351717	-0.00268046	-0.00129393	0.00087371	0.00322539
20	-0.00304928	-0.00347854	-0.00355693	-0.00254498	-0.00152196	-0.00000000	0.00191599	0.00347856
21	-0.00301705	-0.00321333	-0.00296127	-0.00157131	-0.00046145	0.00099374	0.00252543	0.00319352
22	-0.00283438	-0.00281683	-0.00229094	-0.00066877	0.00042344	0.00168389	0.00271448	0.00251763
23	-0.00253983	-0.00233802	-0.00160659	0.00009990	0.00108548	0.00205868	0.00254931	0.00162716
24	-0.00217129	-0.00182224	-0.00095905	0.00069605	0.00150719	0.00214222	0.00210883	0.00069605
25	-0.00176412	-0.00130922	-0.00038738	0.00110316	0.00169754	0.00198563	0.00151710	-0.00012987
26	-0.00134969	-0.00083121	0.00008206	0.00132463	0.00168652	0.00165675	0.00087644	-0.00074995
27	-0.00095418	-0.00041251	0.00043549	0.00138012	0.00151854	0.00122948	0.00027974	-0.00111596
28	-0.00059795	-0.00006893	0.00067046	0.00130088	0.00124534	0.00077417	-0.00020604	-0.00122962
29	-0.00029521	0.00019182	0.00079462	0.00112484	0.00091926	0.00035002	-0.00054233	-0.00113259
30	-0.00005412	0.00036934	0.00082296	0.00089172	0.00058757	0.00000000	-0.00071968	-0.00089172
31	0.00012273	0.00046945	0.00077554	0.00063878	0.00028818	-0.00025135	-0.00075322	-0.00058244
32	0.00023762	0.00050254	0.00067492	0.00039749	0.00004717	-0.00039749	-0.00067657	-0.00027506
33	0.00029671	0.00048228	0.00054377	0.00019132	-0.00012199	-0.00044719	-0.00052851	-0.00002170
34	0.00030931	0.00042379	0.00040283	0.00003468	-0.00021765	-0.00042036	-0.00035464	0.00019754
35	0.00024528	0.00034234	0.00026944	-0.00006694	-0.00024789	-0.00034310	-0.00019062	0.00022622
36	0.00023692	0.00025213	0.00015646	-0.00011589	-0.00022745	-0.00024278	-0.00006237	0.00022795
37	0.00017507	0.00016510	0.00007187	-0.00012066	-0.00017492	-0.00014380	0.00001693	0.00017701
38	0.00010976	0.00009051	0.00001888	-0.00009364	-0.00010911	-0.00006455	0.00004659	0.00010530
39	0.00004932	0.00003447	-0.00000359	-0.00004888	-0.00004666	-0.00001549	0.00003571	0.00003988
40	0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000
41	-0.00003420	-0.00001280	0.00002284	0.00004155	0.00002367	-0.00001334	-0.00004292	-0.00000619
42	-0.00005151	-0.00000622	0.00005696	0.00006763	0.00002253	-0.00004462	-0.00007712	0.00001852
43	-0.00005220	0.00001564	0.00009427	0.00007400	-0.00000048	-0.00008820	-0.00009132	0.00006292
44	-0.00003820	0.00004760	0.00012756	0.00006031	-0.00003884	-0.00012633	-0.00008047	0.00011190
45	-0.00001272	0.00008405	0.00015117	0.00002951	-0.00008405	-0.00015128	-0.00004599	0.00014838
46	0.00002030	0.00011960	0.00016146	-0.00001794	-0.00012723	-0.00015681	0.00000555	0.00014212
47	0.00005658	0.00014963	0.00015695	-0.00006026	-0.00016056	-0.00014086	0.00006391	0.00014725
48	0.00009203	0.00017065	0.00013825	-0.00010547	-0.00017845	-0.00010547	0.00011805	0.00010547
49	0.00012306	0.00018053	0.00010771	-0.00014237	-0.00017811	-0.00005602	0.00015817	0.00004462
50	0.00014689	0.00017857	0.00006892	-0.00016490	-0.00015974	-0.00000000	0.00017756	-0.00002351

(Continued)

Table 6 - Δf = 0.00150 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00350	0.00400	0.00483	0.00550	0.00650	0.00817	0.00950	0.01150
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	286.	250.	207.	182.	154.	122.	105.	87.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.05500000	0.06500000	0.08166667	0.09500000	0.11500000	0.14833333	0.17500000	0.21999999
1	0.05323537	0.06213144	0.07608096	0.08631403	0.09985827	0.11603092	0.12971338	0.12627527
2	0.04415489	0.05399588	0.06072001	0.06313265	0.06157812	0.04593641	0.02923453	-0.01478359
3	0.04036668	0.04190902	0.03934902	0.03293726	0.01755916	-0.01451662	-0.03487296	-0.03934902
4	0.03778290	0.02776966	0.01697456	0.00947553	-0.01414934	-0.03112370	-0.02203813	0.01414934
5	0.02048667	0.01368909	-0.00161140	-0.01368809	-0.02416449	-0.01089707	0.01368808	0.02048667
6	0.01357204	0.00158751	-0.01314069	-0.01967457	-0.01538577	0.01314069	0.01869393	-0.01314068
7	0.00200340	-0.00713595	-0.01662448	-0.01487149	0.00066917	0.01627809	-0.00332526	-0.01157000
8	-0.00451691	-0.01182542	-0.01335331	-0.00451691	0.01182542	0.00152770	-0.01461702	0.01182542
9	-0.00461954	-0.01261017	-0.00620461	0.00531422	0.01222144	-0.01107912	-0.00297730	0.00620461
10	-0.01028933	-0.01028933	0.00195368	0.01028933	0.00426198	-0.00883565	0.01028933	-0.01028933
11	-0.00783004	-0.00609043	0.00686441	0.00922959	-0.00480688	0.00242157	0.00596650	-0.00247034
12	-0.00778374	-0.00136660	0.00862835	0.00396602	-0.00862835	0.00862835	-0.00617721	0.00862835
13	-0.00442131	0.00269545	0.00639200	-0.00211389	-0.00571066	0.00915562	-0.00647523	0.00030575
14	-0.00162513	0.00529355	0.00299699	-0.00593564	0.00054619	-0.00394302	0.00266404	-0.00699002
15	0.00121625	0.00611448	-0.00121625	-0.00611448	0.00518361	-0.00611448	0.00611448	0.00121624
16	0.00328502	0.00531528	-0.00415330	-0.00328503	0.00531528	-0.00116198	0.00000000	0.00531528
17	0.00437292	0.00340213	-0.00499099	0.00058909	0.00173473	0.00409298	-0.00491566	-0.00209831
18	0.00447767	0.00104899	-0.00383136	0.00341690	-0.00234786	0.00383136	-0.00171960	-0.00383136
19	0.00377662	-0.00109264	-0.00149165	0.00902233	-0.00399753	-0.00057762	0.00334702	0.00249212
20	0.00254648	-0.00254648	0.00093208	0.00254648	-0.00254648	-0.00347855	0.00254648	0.00254648
21	0.00111305	-0.00309509	0.00252543	0.00012425	0.00037798	-0.00199089	-0.00178661	-0.00252543
22	-0.00022477	-0.00278549	0.00286382	-0.00186054	0.00294264	0.00136696	-0.00264673	-0.00149686
23	-0.00124338	-0.00186861	0.00207809	-0.00252704	0.00238739	0.00253400	0.00096494	0.00231093
24	-0.00182228	-0.00069605	0.00069605	-0.00182228	0.00069605	0.00049605	0.00225296	0.00069605
25	-0.00194748	0.00038738	-0.00063826	-0.00038738	-0.00110316	-0.00149287	0.00038738	-0.00199748
26	-0.00169388	0.00113134	-0.00143563	0.00091020	-0.00173669	-0.00157231	-0.00160991	-0.00013668
27	-0.00119346	0.00142578	-0.00151859	0.00146266	-0.00103158	0.00005966	-0.00089431	0.00151859
28	-0.00059795	0.00130088	-0.00102358	0.00117359	-0.00020609	0.00122962	0.00093133	-0.00020609
29	-0.00004497	0.00088952	-0.00027882	0.00039204	0.00098827	0.00079038	0.00094180	-0.00109016
30	0.00036936	0.00036936	0.00036936	-0.00036936	0.00089172	-0.00036936	-0.00036936	0.00036936
31	0.00059730	-0.00009560	0.00069909	-0.00073868	0.00022079	-0.00081333	-0.00079777	0.00070969
32	0.00044316	-0.00039749	0.00067255	-0.00044316	-0.00039749	-0.00027506	-0.00000000	-0.00039749
33	0.00054893	-0.00050198	0.00040590	-0.00027009	-0.00055233	0.00037521	0.00054214	-0.00090590
34	0.00037686	-0.00044043	0.00008055	0.00010318	-0.00028705	0.00041664	0.00016919	0.00033409
35	0.00019062	-0.00028528	-0.00015175	0.00028528	0.00004694	0.00002244	-0.00028528	0.00019062
36	0.00003993	-0.00011589	-0.00022745	0.00025213	0.00022745	-0.00022745	-0.00018051	-0.00022745
37	-0.00014825	0.00000694	-0.00017519	0.00011005	0.00013646	-0.00009875	0.00009875	-0.00006152
38	-0.00007132	0.00005738	-0.00007559	-0.00000862	0.00002564	0.00003119	0.00010146	0.00010679
39	-0.00004412	0.00004431	-0.00000597	-0.00003729	-0.00003144	0.00005043	-0.00000991	0.00000597
40	-0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000	0.00000000	-0.00000000	-0.00000000
41	0.00003920	-0.00003764	-0.00003966	0.00003170	0.00002672	0.00002583	0.00000842	-0.00000507
42	0.00005151	-0.00004144	-0.00007712	0.00000422	-0.00001852	0.00007712	-0.00007328	-0.00007712
43	0.00002959	-0.00000928	-0.00006971	-0.00006749	-0.00009901	0.00001846	-0.00004057	0.00003773
44	-0.00002778	0.00006031	-0.00000695	-0.00013120	-0.00011036	-0.00011140	0.00009393	0.00011836
45	-0.00004405	0.00012579	0.00008405	-0.00012579	-0.00002951	-0.00012579	0.00012579	-0.00008405
46	-0.00014058	0.00016437	0.00015542	-0.00003849	0.00010708	0.00003005	-0.00006310	-0.00012538
47	-0.00017290	0.00015812	0.00016628	0.00008507	0.00017397	0.00016982	-0.00017076	0.00012785
48	-0.00017065	0.00010547	0.00010547	0.00017065	0.00010547	0.00010547	-0.00000000	0.00010547
49	-0.00013312	0.00002131	-0.00000237	0.00016464	-0.00009269	0.00009269	0.00017781	-0.00015817
50	-0.00004892	-0.00006892	-0.00010964	0.00006892	-0.00016440	-0.00017857	0.00006892	-0.00006892

Table 7 - Δf = 0.00175

CUTOFF FREQ. (1/M) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00175	0.00185	0.00188	0.00195	0.00200	0.00208	0.00215	0.00225
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	571.	541.	531.	513.	500.	480.	465.	444.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.01750000	0.01950000	0.02016667	0.02150000	0.02250000	0.02416667	0.02550000	0.02750000
1	0.01741376	0.01938913	0.02004654	0.02135971	0.02234305	0.02397887	0.02528458	0.02723790
2	0.01715708	0.01905947	0.01968951	0.02094305	0.02187720	0.02342202	0.02464637	0.02646245
3	0.01673602	0.01851982	0.01910547	0.02026250	0.02111720	0.02251543	0.02360912	0.02520543
4	0.01616047	0.01778446	0.01831050	0.01933826	0.02008691	0.02129026	0.02221108	0.02351875
5	0.01544378	0.01687264	0.01732623	0.01819748	0.01881830	0.01978808	0.02050309	0.02196965
6	0.01460241	0.01580791	0.01617906	0.01687310	0.01735007	0.01805893	0.01854609	0.01913896
7	0.01345533	0.01461723	0.01493919	0.01540258	0.01572600	0.01615902	0.01640795	0.01661582
8	0.01242394	0.01333004	0.01351931	0.01382491	0.01399319	0.01414820	0.01416062	0.01399319
9	0.01152894	0.01197723	0.01207385	0.01218654	0.01220038	0.01208736	0.01187638	0.01136309
10	0.01019462	0.01059009	0.01059735	0.01052480	0.01039462	0.01003581	0.00962474	0.00881213
11	0.00924321	0.00919929	0.00912346	0.00888140	0.00862237	0.00804889	0.00746947	0.00641748
12	0.00809669	0.00783387	0.00768385	0.00729353	0.00692491	0.00617581	0.00546402	0.00429359
13	0.00697572	0.00652042	0.00630717	0.00579416	0.00533844	0.00445797	0.00365951	0.00233982
14	0.00589908	0.00528227	0.00501829	0.00441103	0.00389268	0.00292765	0.00208336	0.00073909
15	0.00488319	0.00413895	0.00383762	0.00316598	0.00261012	0.00160730	0.00075864	-0.00054272
16	0.00394181	0.00310575	0.00278071	0.00207454	0.00150564	0.00050930	-0.00030594	-0.00150564
17	0.00308573	0.00219349	0.00185803	0.00114574	0.00058650	-0.00036378	-0.00111333	-0.00216455
18	0.00232271	0.00140848	0.00107498	0.00038240	-0.00014729	-0.00101839	-0.00167697	-0.00254471
19	0.00165735	0.00075262	0.00049207	-0.00021865	-0.00070242	-0.00146886	-0.00201903	-0.00268896
20	0.00109129	0.00022374	-0.00007465	-0.00066571	-0.00109129	-0.00173600	-0.00216894	-0.00263461
21	0.00062332	-0.00018402	-0.00045306	-0.00097153	-0.00133096	-0.00184536	-0.00215864	-0.00243024
22	0.00024968	-0.00047965	-0.00071432	-0.00115226	-0.00144192	-0.00182557	-0.00202534	-0.00212258
23	-0.00003563	-0.00067461	-0.00087210	-0.00122450	-0.00144680	-0.00170650	-0.00180439	-0.00175579
24	-0.00024938	-0.00074220	-0.00094180	-0.00121416	-0.00136913	-0.00151769	-0.00152979	-0.00136913
25	-0.00037376	-0.00081683	-0.00093975	-0.00113554	-0.00123213	-0.00128688	-0.00123213	-0.00099531
26	-0.00044589	-0.00079335	-0.00088245	-0.00101031	-0.00105767	-0.00103879	-0.00093731	-0.00065937
27	-0.00044738	-0.00072643	-0.00078584	-0.00085476	-0.00086540	-0.00079425	-0.00066579	-0.00037833
28	-0.00044891	-0.00062997	-0.00066477	-0.00069113	-0.00067211	-0.00056964	-0.00043217	-0.00016136
29	-0.00040082	-0.00051644	-0.00053241	-0.00052710	-0.00049127	-0.00037667	-0.00024531	-0.00001053
30	-0.00033282	-0.00039751	-0.00039997	-0.00037554	-0.00033282	-0.00022238	-0.00010865	0.00007809
31	-0.00025367	-0.00028174	-0.00027644	-0.00024435	-0.00020323	-0.00010959	-0.00002102	0.00011298
32	-0.00017096	-0.00017657	-0.00016848	-0.00013851	-0.00010566	-0.00003737	0.00002253	0.00010566
33	-0.00009100	-0.00008710	-0.00008047	-0.00006031	-0.00004039	-0.00001181	0.00002960	0.00004910
34	-0.00001871	-0.00001648	-0.00001465	-0.00000966	-0.00000508	0.00000317	0.00000941	0.00001634
35	0.00004235	0.00003393	0.00002868	0.00001551	0.00000417	-0.00001499	-0.00002827	-0.00004072
36	0.00008998	0.00006440	0.00005080	0.00001876	-0.00004835	-0.00007400	-0.00009725	
37	0.00012318	0.00007649	0.00005428	0.00000467	-0.00003340	-0.00008915	-0.00011947	-0.00013103
38	0.00014205	0.00007277	0.00004255	-0.00002167	-0.00006816	-0.00013045	-0.00015801	-0.00015275
39	0.00014759	0.00005651	0.00001959	-0.00005512	-0.00010584	-0.00016655	-0.00018493	-0.00015590
40	0.00014147	0.00003130	-0.00001047	-0.00009083	-0.00014147	-0.00019325	-0.00019761	-0.00014147
41	0.00012590	0.00000082	-0.00004364	-0.00012459	-0.00017113	-0.00020805	-0.00019542	-0.00011246
42	0.00010335	-0.00003144	-0.00007631	-0.00015304	-0.00019208	-0.00021004	-0.00017944	-0.00007321
43	0.00007639	-0.00006241	-0.00010550	-0.00017380	-0.00020279	-0.00019974	-0.00015221	-0.00002872
44	0.00004752	-0.00008956	-0.00012893	-0.00018553	-0.00020294	-0.00017890	-0.00011705	0.00001597
45	0.00001903	-0.00011101	-0.00014512	-0.00018785	-0.00019321	-0.00015007	-0.00007780	0.00005636
46	-0.00000714	-0.00012559	-0.00015337	-0.00018127	-0.00017512	-0.00011635	-0.00003830	0.00008891
47	-0.00002946	-0.00013283	-0.00015372	-0.00016702	-0.00015079	-0.00008093	-0.00000197	0.00011132
48	-0.00004685	-0.00013284	-0.00014684	-0.00014884	-0.00009685	0.00002841	0.00012265
49	-0.00005870	-0.00012637	-0.00013392	-0.00012280	-0.00009322	-0.00001668	0.00005098	0.00012323
50	-0.00006484	-0.00011447	-0.00011647	-0.00009705	-0.00006484	0.00000763	0.00006484	0.00011447

(Continued)

Table 7 - Δf = 0.00175 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00232	0.00242	0.00255	0.00275	0.00286	0.00300	0.00318	0.00342
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	431.	414.	392.	364.	350.	333.	315.	293.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.02892857	0.03083333	0.03350000	0.03750000	0.03972222	0.04250000	0.04607143	0.05083333
1	0.02862904	0.03047826	0.03305561	0.03689410	0.03901111	0.04164058	0.04499203	0.04990512
2	0.02774377	0.02943035	0.03174697	0.03511622	0.03692898	0.03913140	0.04185306	0.04527568
3	0.02631194	0.02774043	0.02964584	0.03228237	0.03362469	0.03517257	0.03694055	0.03888928
4	0.02439627	0.02548757	0.02686608	0.02857486	0.02933070	0.03007463	0.03069379	0.03091861
5	0.02207932	0.02278386	0.02355540	0.02422695	0.02434273	0.02422695	0.02365551	0.02217423
6	0.01945871	0.01974772	0.01988494	0.01950346	0.01899110	0.01805893	0.01690924	0.01349833
7	0.01669148	0.01651616	0.01603739	0.01467930	0.01361367	0.01199838	0.00951723	0.00565868
8	0.01373819	0.01322661	0.01219466	0.01001802	0.00852628	0.00643196	0.00394172	-0.00079148
9	0.01085687	0.01001090	0.00852618	0.00575219	0.00399789	0.00147188	-0.00140025	-0.00532526
10	0.00809747	0.00698792	0.00517854	0.00206762	0.00023120	-0.00206762	-0.00486441	-0.00796819
11	0.00554698	0.00425753	0.00226745	-0.00090757	-0.00264914	-0.00468202	-0.00688676	-0.00878717
12	0.00327563	0.00189598	-0.00012757	-0.00310805	-0.00460019	-0.00617581	-0.00757134	-0.00809669
13	0.00133428	-0.00004674	-0.00196551	-0.00453062	-0.00565635	-0.00665041	-0.00714140	-0.00639170
14	-0.00024685	-0.00154774	-0.00324311	-0.00522804	-0.00591764	-0.00628286	-0.00589908	-0.00402061
15	-0.00145807	-0.00261012	-0.00399136	-0.00529857	-0.00553402	-0.00529857	-0.00417995	-0.00140730
16	-0.00230885	-0.00326023	-0.00426946	-0.00487234	-0.00468359	-0.00399181	-0.00230885	0.00050930
17	-0.00282545	-0.00354360	-0.00415844	-0.00409634	-0.00355405	-0.00244763	-0.00056271	0.00206714
18	-0.00304758	-0.00351989	-0.00375074	-0.00311949	-0.00232271	-0.00101839	0.00085536	0.00299634
19	-0.00302459	-0.00325735	-0.00314386	-0.00207930	-0.00114115	0.00019296	0.00162858	0.00316031
20	-0.00281139	-0.00282729	-0.00243146	-0.00109129	-0.00012439	0.00109129	0.00232572	0.00282729
21	-0.00246440	-0.00229888	-0.00169699	-0.00024197	0.00065454	0.00143983	0.00238870	0.00212982
22	-0.00203787	-0.00173472	-0.00100870	0.00041441	0.00116469	0.00185337	0.00211216	0.00127097
23	-0.00158072	-0.00118748	-0.00041667	0.00085539	0.00141268	0.00178632	0.00161911	0.00043514
24	-0.00113420	-0.00069761	0.00004827	0.00108455	0.00143455	0.00151769	0.00103671	-0.00029038
25	-0.00073028	-0.00029238	0.00037376	0.00113554	0.00128566	0.00113554	0.00097600	-0.00067992
26	-0.00039096	0.00001394	0.00056360	0.00104458	0.00102995	0.00072296	0.00001792	-0.00084976
27	-0.00012840	0.00021889	0.00063427	0.00086273	0.00073012	0.00034741	-0.00029320	-0.00089676
28	0.00005423	0.00032982	0.00061087	0.00063860	0.00043966	0.00005423	-0.00044891	-0.00067964
29	0.00016140	0.00036139	0.00052283	0.00041449	0.00019761	-0.00013539	-0.00047003	-0.00044778
30	0.00020337	0.00033282	0.00039997	0.00022239	0.00002618	-0.00022238	-0.00039635	-0.00022239
31	0.00019426	0.00026514	0.00026914	0.00008184	-0.00006880	-0.00022479	-0.00027504	-0.00005314
32	0.00015002	0.00017877	0.00015177	0.00000000	-0.00009526	-0.00017096	-0.00015002	0.00003737
33	0.00008663	0.00009157	0.00006248	-0.00002683	-0.00007068	-0.00009242	-0.00005412	0.00005285
34	0.00001857	0.00001739	0.00000863	-0.00001040	-0.00001733	-0.00001757	-0.00000488	0.00001584
35	-0.00004235	-0.00003459	-0.00000912	0.00003290	0.00004243	0.00003290	-0.00000417	-0.00004199
36	-0.00008768	-0.00006010	0.00000430	0.00008549	0.00008998	0.00004835	-0.00004108	-0.00008998
37	-0.00011259	-0.00005928	0.00004038	0.00013164	0.00011294	0.00002835	-0.00009688	-0.00010651
38	-0.00011577	-0.00003593	0.00008832	0.00015968	0.00010628	-0.00001914	-0.00015077	-0.00008325
39	-0.00009892	0.00000363	0.00013740	0.00016325	0.00007195	-0.00006078	-0.00018504	-0.00002536
40	-0.00006604	0.00005178	0.00017826	0.00014147	0.00001744	-0.00014147	-0.00018884	0.00005178
41	-0.00002277	0.00010073	0.00020409	0.00009833	-0.00004648	-0.00018768	-0.00015975	0.00012806
42	0.00002486	0.00014357	0.00021118	0.00004124	-0.00010814	-0.00021004	-0.00018335	0.00018454
43	0.00007088	0.00017502	0.00019907	-0.00002054	-0.00015727	-0.00020471	-0.00003104	0.00020829
44	0.00011023	0.00019182	0.00017014	-0.00007790	-0.00018668	-0.00017357	0.00004307	0.00019518
45	0.00013919	0.00019321	0.00012896	-0.00012316	-0.00019321	-0.00012316	0.00018558	0.00015007
46	0.00015567	0.00018007	0.00008133	-0.00015129	-0.00017781	-0.00006298	0.00014660	0.00008472
47	0.00015924	0.00015525	0.00003334	-0.00016038	-0.00014976	-0.00000329	0.00016143	0.00001924
48	0.00015100	0.00012265	-0.00000952	-0.00015161	-0.00010145	0.00004685	0.00015100	-0.00004685
49	0.00013323	0.00008668	-0.00004307	-0.00012871	-0.00005497	0.00008118	0.00012102	-0.00008802
50	0.00010904	0.00005162	-0.00006484	-0.00009705	-0.00001271	0.00009705	0.00004018	-0.00010468

(Continued)

Table 7 - Δf = 0.00175 (Continued)

CUTOFF FREQ. (1/MI) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/MI) -	0.00375	0.00425	0.00500	0.00575	0.00675	0.00842	0.00975	0.01175
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	267.	235.	197.	174.	148.	119.	103.	85.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.05750000	0.06750000	0.08416666	0.09750000	0.11750000	0.15083333	0.17750000	0.21750000
1	0.05546599	0.06426717	0.07802960	0.08808883	0.10133649	0.11773747	0.12511496	0.12589769
2	0.04963795	0.05514037	0.06126270	0.06315880	0.06083442	0.04410562	0.02187721	-0.01715708
3	0.04079158	0.04175383	0.03826173	0.03121735	0.01522097	-0.01673602	-0.03602941	-0.03826173
4	0.03007463	0.02637149	0.01475814	0.00242668	-0.01616046	-0.03091861	-0.02008692	0.01616046
5	0.01881830	0.01147577	-0.00396556	-0.01544378	-0.02422695	-0.00857524	0.01544378	0.01881831
6	0.00832528	-0.00078070	-0.01460241	-0.01974772	-0.01399833	0.01460241	0.01735007	-0.01460291
7	-0.00032680	-0.00897379	-0.01658448	-0.01327116	0.00292607	0.01506983	-0.00595330	-0.00951724
8	-0.00643196	-0.01262344	-0.01188196	-0.00221631	0.01262344	-0.00079147	-0.01399319	0.01262393
9	-0.00972925	-0.01218127	-0.00399789	0.00697721	0.01097912	-0.01152894	-0.00023958	0.00399789
10	-0.01039462	-0.00881213	0.00340670	0.01039462	0.00206762	-0.00698792	0.01039462	-0.01039462
11	-0.00895925	-0.00404083	0.00773230	0.00779832	-0.00615049	0.00414953	0.00337473	-0.00059511
12	-0.00617581	0.00063722	0.00809669	0.00189598	-0.00809669	0.00809669	-0.00692491	0.00809669
13	-0.00286201	0.00408351	0.00527589	-0.00361123	-0.00385034	0.00216239	-0.00474386	-0.00153052
14	0.00024685	0.00571014	0.00106482	-0.00605164	0.00217628	-0.00483425	0.00389268	-0.00589908
15	0.00261012	0.00551033	-0.00261012	-0.00488319	0.00529857	-0.00488319	0.00488319	0.00261012
16	0.00394181	0.00394181	-0.00445110	-0.00150564	0.00394181	0.00050930	-0.00150563	0.00394181
17	0.00421400	0.00171547	-0.00415576	0.00186812	0.00008405	0.00411226	-0.00424030	-0.00296487
18	0.00361092	-0.00044097	-0.00232271	0.00351989	-0.00274634	0.00232271	-0.00014730	-0.00232271
19	0.00245005	-0.00197822	-0.00002145	0.00300291	-0.00317142	-0.00142019	0.00320146	0.00282771
20	0.00109129	-0.00263461	0.00173600	0.00109129	-0.00109129	-0.00282729	0.00109129	0.00109129
21	-0.00014533	-0.00244540	0.00238870	-0.00089976	0.00124831	-0.00042332	-0.00207917	-0.00238870
22	-0.00103794	-0.00146818	0.00175171	-0.00192909	0.00210949	0.00170204	-0.00144192	-0.00029968
23	-0.00148869	-0.00066134	0.00087626	-0.00171443	0.00125764	0.00155336	0.00109520	0.00181423
24	-0.00151769	0.00024038	-0.00024038	-0.00069761	-0.00024038	-0.00024038	0.00136913	-0.00024038
25	-0.00123213	0.00081683	-0.00093975	0.00037376	-0.00113554	-0.00125394	-0.00037376	-0.00123213
26	-0.00078209	0.00099922	-0.00106058	0.00092925	-0.00096722	-0.00061469	-0.00105767	0.00099589
27	-0.00031596	0.00085340	-0.00073012	0.00083882	-0.00018579	0.00046738	-0.00005104	0.00073012
28	0.00005423	0.00052560	-0.00023073	0.00036116	-0.00044891	0.00047964	0.00067211	-0.00099890
29	0.00027114	0.00017568	0.00016903	-0.00011491	0.00053528	0.00010805	0.00021489	-0.00035618
30	0.00033282	-0.00007409	0.00033282	-0.00033282	0.00022239	-0.00033282	0.00033282	0.00033282
31	0.00027927	-0.00018727	0.00028120	-0.00027754	-0.00009237	-0.00023339	-0.00019540	0.00012309
32	0.00017096	-0.00017096	0.00013359	-0.00010566	-0.00017096	0.00003737	0.00010566	-0.00017096
33	0.00006663	-0.00009029	0.00001625	-0.00001767	-0.00007584	0.00009100	0.00008317	-0.00001625
34	0.00000648	-0.00001375	-0.00000872	0.00001471	-0.00000074	0.00000999	-0.00000508	0.00001871
35	0.00000417	0.00001235	0.00003876	-0.00004235	-0.00003290	0.00002479	0.00004235	0.00000417
36	0.00004835	-0.00002160	0.00008998	-0.00006010	-0.00008998	0.00008998	0.00000726	0.00008998
37	0.00011141	-0.00009169	0.00008257	0.00000779	-0.00005301	0.00001984	-0.00012800	-0.00009821
38	0.00016168	-0.00015670	0.00000213	0.00011956	0.00007955	-0.00013992	-0.00006816	-0.00018205
39	0.00017489	-0.00017910	-0.00011172	0.00018507	0.00018336	-0.00014759	0.00015186	0.00011172
40	0.00014147	-0.00014147	-0.00019325	0.00014147	0.00014147	0.00005178	0.00014147	0.00014147
41	0.00006834	-0.00005267	-0.00019219	0.00000410	-0.00002858	0.00020698	-0.00011927	-0.00016632
42	-0.00007486	0.00005741	-0.00010335	-0.00014357	-0.00018954	0.00010335	-0.00019208	-0.00010335
43	-0.00011299	0.00015108	0.00003143	-0.00020922	-0.00019202	-0.00013083	0.00005292	0.00019517
44	-0.00017357	0.00019794	0.00014746	-0.00015479	-0.00004752	-0.00019518	0.00020274	0.00004752
45	-0.00019321	0.00018578	0.00019321	-0.00001903	0.00012316	-0.00001903	0.00001903	-0.00019321
46	-0.00017071	0.00012351	0.00015388	-0.00011265	0.00018181	0.00016102	-0.00017512	0.00000714
47	-0.00011616	0.00003592	0.00005698	0.00016401	0.00009583	0.00012815	-0.00007314	0.00016498
48	-0.00004685	-0.00004685	-0.00004685	0.00012265	-0.00004685	0.00012265	0.00004685	-0.00004685
49	0.00001843	-0.00010054	-0.00011134	0.00002364	-0.00012708	-0.00013415	0.00009695	-0.00012102
50	0.00006484	-0.00011447	-0.00011647	-0.00006484	-0.00009705	-0.00005162	-0.00006484	0.00006484

Table 8 - $\Delta f = 0.00200$

CUTOFF FREQ. (1/M) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00200	0.00210	0.00213	0.00220	0.00225	0.00233	0.00240	0.00250
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	500.	476.	469.	455.	444.	429.	417.	400.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.02300000	0.02200000	0.02266667	0.02400000	0.02500000	0.02666667	0.02800000	0.03000000
1	0.01987135	0.02183958	0.02249448	0.02380242	0.02478167	0.02641033	0.02771001	0.02965378
2	0.01948934	0.02134383	0.02198405	0.02321721	0.02413542	0.02565243	0.02685343	0.02863268
3	0.01886580	0.02053702	0.02115346	0.02226654	0.02308699	0.02442570	0.02546945	0.02698813
4	0.01801968	0.01954145	0.02033186	0.02098410	0.02167771	0.02278253	0.02362156	0.02480197
5	0.01697453	0.01825416	0.01865806	0.01942323	0.01996228	0.02079191	0.02139167	0.02218090
6	0.01576722	0.01677531	0.01707866	0.01763450	0.01800582	0.01853548	0.01887707	0.01929991
7	0.01442679	0.01514630	0.01534585	0.01568287	0.01588044	0.01610286	0.01618357	0.01614165
8	0.01299291	0.01341957	0.01351499	0.01363459	0.01366155	0.01358671	0.01341957	0.01299291
9	0.01150446	0.01164643	0.01164212	0.01155402	0.01142906	0.01107778	0.01068988	0.00993199
10	0.01000000	0.00987688	0.00978148	0.00951057	0.00923880	0.00866025	0.00809017	0.00707107
11	0.00851629	0.00815757	0.00798327	0.00755591	0.00716930	0.00640773	0.00570213	0.00450522
12	0.00708704	0.00653202	0.00629173	0.00574168	0.00526919	0.00438003	0.00358991	0.00230272
13	0.00579176	0.00502920	0.00474351	0.00410764	0.00358017	0.00262106	0.00179786	0.00050560
14	0.00450492	0.00343249	0.00336664	0.00268259	0.00213093	0.00115773	0.00034969	-0.00087109
15	0.00339531	0.00253387	0.00217992	0.00148380	0.00093676	0.00000000	-0.00075115	-0.00183753
16	0.00242573	0.00151721	0.00119280	0.00051724	0.00000000	-0.00085803	-0.00151921	-0.00242573
17	0.00160293	0.00071601	0.00040583	-0.00022170	-0.00068884	-0.00143613	-0.00198469	-0.00268489
18	0.00092806	0.00009434	-0.00018858	-0.00074489	-0.00114931	-0.00176528	-0.00218930	-0.00267594
19	0.00039671	-0.00035731	-0.00060490	-0.00107974	-0.00140888	-0.00188456	-0.00218277	-0.00246585
20	0.00000000	-0.00065575	-0.00086312	-0.00124732	-0.00150053	-0.00183776	-0.00201820	-0.00212207
21	-0.00027472	-0.00082174	-0.00098709	-0.00128016	-0.00146017	-0.00147018	-0.00174834	-0.00170761
22	-0.00044294	-0.00087853	-0.00100289	-0.00121025	-0.00132427	-0.00142553	-0.00142208	-0.00127715
23	-0.00052198	-0.00085040	-0.00093720	-0.00106902	-0.00112766	-0.00119346	-0.00108178	-0.00087428
24	-0.00052999	-0.00076131	-0.00081586	-0.00088570	-0.00090167	-0.00085754	-0.00076131	-0.00052999
25	-0.00048504	-0.00063374	-0.00066258	-0.00068596	-0.00067277	-0.00059405	-0.00048504	-0.00026250
26	-0.00040429	-0.00048769	-0.00049797	-0.00049088	-0.00046169	-0.00037137	-0.00026777	-0.00007817
27	-0.00033327	-0.00033999	-0.00033885	-0.00031646	-0.00028300	-0.00020006	-0.00011529	0.00002670
28	-0.00019538	-0.00020382	-0.00019787	-0.00017346	-0.00014527	-0.00008356	-0.00002575	0.00004398
29	-0.00009155	-0.00008859	-0.00008345	-0.00006757	-0.00005150	-0.00001927	0.00000872	0.00004893
30	0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000
31	0.00007371	0.00005968	0.00005165	0.00003177	0.00001456	-0.00001552	-0.00003799	-0.00006363
32	0.00012655	0.00009109	0.00007364	0.00003309	0.00000000	-0.00005412	-0.00009109	-0.00012655
33	0.00015791	0.00009724	0.00007034	0.00001112	-0.00003455	-0.00010410	-0.00014649	-0.00017657
34	0.00016963	0.00008278	0.00004760	-0.00002412	-0.00007977	-0.00015490	-0.00019380	-0.00020588
35	0.00016168	0.00005338	0.00001197	-0.00007066	-0.00012703	-0.00019802	-0.00022589	-0.00021125
36	0.00014062	0.00001502	-0.00002998	-0.00011525	-0.00014917	-0.00022753	-0.00023877	-0.00019355
37	0.00010969	-0.00002651	-0.00007225	-0.00015431	-0.00020090	-0.00024029	-0.00023202	-0.00015692
38	0.00007327	-0.00006615	-0.00010985	-0.00018269	-0.00021905	-0.00023580	-0.00020777	-0.00010769
39	0.00003550	-0.00009983	-0.00013908	-0.00019885	-0.00022256	-0.00021581	-0.00017021	-0.00005297
40	0.00000000	-0.00012473	-0.00015770	-0.00020182	-0.00021221	-0.00018378	-0.00012473	-0.00000000
41	-0.00003035	-0.00013932	-0.00016488	-0.00019248	-0.00019028	-0.00014417	-0.00007705	0.00009529
42	-0.00005354	-0.00014331	-0.00016110	-0.00017292	-0.00016008	-0.00010184	-0.00003247	0.00007866
43	-0.00006448	-0.00013749	-0.00014757	-0.00014611	-0.00012542	-0.00006135	0.00000474	0.00009797
44	-0.00007495	-0.00012350	-0.00012749	-0.00011537	-0.00009016	-0.00002651	0.00003171	0.00010316
45	-0.00007349	-0.00010341	-0.00010265	-0.00008408	-0.00005774	-0.00000000	0.00004718	0.00009602
46	-0.00006529	-0.00008034	-0.00007621	-0.00005524	-0.00003088	0.00001678	0.00005199	0.00007971
47	-0.00005196	-0.00005625	-0.00005081	-0.00003125	-0.00001138	0.00002372	0.00004608	0.00005814
48	-0.00003537	-0.00003345	-0.00002866	-0.00001369	-0.00000000	0.00002186	0.00003365	0.00003537
49	-0.00001745	-0.00001445	-0.00001140	-0.00000331	0.00000345	0.00001313	0.00001729	0.00001504
50	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

(Continued)

Table 8 - Δf = 0.00200 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00257	0.00267	0.00280	0.00300	0.00311	0.00325	0.00343	0.00367
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	389.	375.	357.	333.	321.	308.	292.	273.
N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.03142857	0.03333333	0.03600000	0.04000000	0.04222222	0.04500000	0.04857143	0.05333333
1	0.03103774	0.03287692	0.03543931	0.03925339	0.04135533	0.04396609	0.04729122	0.05166639
2	0.02948637	0.03153445	0.03379400	0.03707097	0.03882909	0.04095997	0.04358456	0.04686932
3	0.02803426	0.02938417	0.03117123	0.03361909	0.03485136	0.03625699	0.03783534	0.03952161
4	0.02559544	0.02654947	0.02773921	0.02915446	0.02974628	0.03027948	0.03062405	0.03048898
5	0.02254114	0.02319037	0.02371285	0.02400943	0.02391708	0.02354712	0.02264116	0.02079192
6	0.01941090	0.01948936	0.01933568	0.01853548	0.01780442	0.01661741	0.01467688	0.01145556
7	0.01599221	0.01563785	0.01485988	0.01309925	0.01184176	0.01002410	0.00735081	0.00336692
8	0.01254218	0.01183125	0.01052641	0.00803006	0.00641371	0.00422165	0.00122461	-0.00249040
9	0.00926733	0.00823627	0.00654707	0.00359939	0.00182213	-0.00045729	-0.00334992	-0.00684644
10	0.00623490	0.00500000	0.00309017	0.00000000	-0.00173648	-0.00382683	-0.00623490	-0.00846025
11	0.00356589	0.00223145	0.00027044	-0.00266448	-0.00418025	-0.00585292	-0.00749930	-0.00857521
12	0.00133056	0.00000000	-0.00185319	-0.00438003	-0.00553773	-0.00663956	-0.00738431	-0.00708704
13	-0.00043349	-0.00166786	-0.00328033	-0.00571341	-0.00593145	-0.00639946	-0.00624881	-0.00478892
14	-0.00172073	-0.00278419	-0.00405918	-0.00529585	-0.00555482	-0.00541453	-0.00450492	-0.00226487
15	-0.00255455	-0.00339531	-0.00427833	-0.00480169	-0.00463807	-0.00399246	-0.00255465	-0.00000000
16	-0.00298290	-0.00357399	-0.00405379	-0.00392471	-0.00342135	-0.00242573	-0.00071689	0.00167856
17	-0.00307493	-0.00341055	-0.00351519	-0.00285452	-0.00212492	-0.00095842	0.00070825	0.00262394
18	-0.00299515	-0.00300328	-0.00279239	-0.00176528	-0.00092806	0.00023563	0.00165450	0.00285629
19	-0.00253528	-0.00244951	-0.00200377	-0.00078364	0.00004426	0.00106169	0.00208453	0.00252203
20	-0.00204496	-0.00183774	-0.00124732	-0.00000000	0.00072579	0.00150053	0.00206986	0.00183776
21	-0.00154472	-0.00124177	-0.00059487	0.00054267	0.00110517	0.00159482	0.00173451	0.00103223
22	-0.00107944	-0.00071669	-0.00009000	0.00044252	0.00121558	0.00142897	0.00123049	0.00029802
23	-0.00065477	-0.00029758	0.00025081	0.00093017	0.00112029	0.00110659	0.00064651	-0.00023905
24	-0.00031483	-0.00000000	0.00043439	0.00085754	0.00089673	0.00072947	0.00023988	-0.00052999
25	-0.00007480	0.00017754	0.00048504	0.00068596	0.00062169	0.00038110	-0.00007680	-0.00059405
26	0.00006708	0.00024944	0.00043791	0.00047527	0.00035947	0.00011666	-0.00023681	-0.00049699
27	0.00012471	0.00024067	0.00033217	0.00027536	0.00015462	-0.00004001	-0.00026128	-0.00032370
28	0.00012075	0.00017791	0.00020503	0.00012075	0.00002859	-0.00009327	-0.00019538	-0.00015267
29	0.00007115	0.00008953	0.00008721	0.00002864	-0.00001769	-0.00006806	-0.00009248	-0.00003770
30	0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000
31	-0.00007311	-0.00007208	-0.00004579	0.00002306	0.00005632	0.00007457	0.00005035	-0.00003035
32	-0.00013293	-0.00011524	-0.00004889	0.00007821	0.00012338	0.00012655	0.00004676	-0.00009889
33	-0.00014953	-0.00012524	-0.00001667	0.00014329	0.00017647	0.00013909	-0.00000397	-0.00016844
34	-0.00017824	-0.00010422	0.00003906	0.00019824	0.00020037	0.00010891	-0.00008192	-0.00020730
35	-0.00016169	-0.00005918	0.00010381	0.00022465	0.00018730	0.00004461	-0.00016168	-0.00019802
36	-0.00012271	-0.00000000	0.00016377	0.00022753	0.00014052	-0.00003743	-0.00021999	-0.00014062
37	-0.00006949	0.00006254	0.00020797	0.00019547	0.00007064	-0.00011806	-0.00024156	-0.00005024
38	-0.00001954	0.00011655	0.00022945	0.00013936	-0.00000827	-0.00018029	-0.00022198	0.00004930
39	0.00004552	0.00016346	0.00022681	0.00007012	-0.00008132	-0.00021289	-0.00016749	0.00013338
40	0.00009207	0.00018378	0.00020182	0.00000000	-0.00013640	-0.00021221	-0.00009207	0.00018378
41	0.00012933	0.00018740	0.00016046	-0.00005995	-0.00016630	-0.00018201	-0.00001305	0.00019294
42	0.00014018	0.00017327	0.00011044	-0.00010184	-0.00016948	-0.00013175	0.00005359	0.00016479
43	0.00014000	0.00014571	0.00005991	-0.00012204	-0.00014972	-0.00007371	0.00009667	0.00011210
44	0.00012636	0.00011043	0.00001598	-0.00012127	-0.00011460	-0.00001995	0.00011228	0.00005186
45	0.00010328	0.00007349	-0.00001626	-0.00010393	-0.00007349	0.00002028	0.00010328	0.00000000
46	0.00007556	0.00004035	-0.00003436	-0.00007675	-0.00003538	0.00004217	0.00007779	-0.00003282
47	0.00004794	0.00001509	-0.00003856	-0.00004718	-0.00000711	0.00004580	0.00004640	-0.00004334
48	0.00002447	0.00000000	-0.00003140	-0.00002186	0.00000773	0.00003537	0.00001908	-0.00003537
49	0.00000402	-0.00003457	-0.00001696	-0.00000546	0.00000910	0.00001765	0.00000276	-0.00001757
50	0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000

(Continued)

Table 8 - Δf = 0.00200 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00400	0.00450	0.00533	0.00600	0.00700	0.00867	0.01000	0.01200
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	250.	222.	187.	167.	143.	115.	100.	83.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.04000000	0.07000000	0.08666667	0.10000000	0.12000000	0.15333333	0.18000000	0.22000000
1	0.05766889	0.06637172	0.07994046	0.08982141	0.10276672	0.11858960	0.12596279	0.12596279
2	0.05102391	0.05619480	0.06169067	0.06306889	0.05998208	0.04220133	0.01948936	-0.01948936
3	0.04104347	0.04142738	0.03702621	0.02738417	0.01284135	-0.01886579	-0.03702621	-0.03702621
4	0.02915646	0.02480197	0.01244927	0.00000000	-0.01801968	-0.03048898	-0.01801969	0.01801968
5	0.01497653	0.00918763	-0.00621384	-0.01697653	-0.02408843	-0.00621384	0.01497653	0.01697653
6	0.00602254	-0.00304881	-0.01576722	-0.01948936	-0.01145556	0.01576722	0.01576723	-0.01576722
7	-0.00253272	-0.01051558	-0.01616937	-0.01144916	0.00500346	0.01357939	-0.00735081	-0.00735082
8	-0.00803006	-0.01299291	-0.01015251	0.00000000	0.01299291	-0.00284039	-0.01299291	0.01299291
9	-0.01037833	-0.01132604	-0.00182213	0.00823629	0.00942332	-0.01150446	0.00182213	0.00182213
10	-0.01000000	-0.00707107	0.00500000	0.01000000	0.00000000	-0.00500001	0.01000000	-0.01000000
11	-0.00768266	-0.00201287	0.00809975	0.00409499	-0.00697570	0.00542628	0.00134685	0.00134684
12	-0.00435003	0.00230272	0.00708704	0.00000000	-0.00708704	0.00708704	-0.00708704	0.00708704
13	-0.00100808	0.00490016	0.00350973	-0.00455669	-0.00199135	0.00033726	-0.00292558	-0.00292557
14	0.00172073	0.00549983	-0.00058205	-0.00556839	0.00327302	-0.00508698	0.00450492	-0.00450492
15	0.00339530	0.00443618	-0.00339531	-0.00339531	0.00440169	-0.00339531	0.00339531	0.00339530
16	0.00392491	0.00242573	-0.00410429	-0.00000000	0.00242573	0.00167856	-0.00242573	0.00242573
17	0.00344739	0.00027703	-0.00296123	0.00249669	-0.00109109	0.00352602	-0.00314602	-0.00314602
18	0.00242971	-0.00136346	-0.00092806	0.00300328	-0.00285629	0.00092807	0.00092806	-0.00092807
19	0.00115129	-0.00216223	0.00090879	0.00179317	-0.00205160	-0.00197078	0.00250470	-0.00250470
20	0.00000000	-0.00212207	0.00183776	0.00000000	-0.00000000	-0.00183776	0.00000000	0.00000000
21	-0.00079727	-0.00149735	0.00173451	-0.00124177	0.00142074	0.00027472	-0.00173451	-0.00173451
22	-0.00115963	-0.00065074	0.00095912	-0.00143338	0.00136323	0.00140206	-0.00044294	0.00044294
23	-0.00113560	0.00009021	0.00096017	-0.00081300	0.00035529	0.00042620	0.00102444	0.00102444
24	-0.00085754	0.00052999	-0.00052999	-0.00000000	-0.00052999	-0.00052999	0.00052999	-0.00052999
25	-0.00046504	0.00063374	-0.00066258	0.00048504	-0.00068576	-0.00046258	-0.00048504	-0.00048504
26	-0.00015442	0.00049357	-0.00045652	0.00049973	-0.00029373	-0.00005224	-0.00040429	0.00040429
27	0.00005324	0.00025841	-0.00015452	0.00029067	0.00010518	0.00030327	0.00015452	0.00015452
28	0.00017075	0.00006349	0.00004271	0.00000000	0.00019538	0.00015267	0.00019538	-0.00019538
29	0.00009259	-0.00002164	0.00007203	-0.00006554	0.00007499	-0.00003322	-0.00001450	-0.00001450
30	0.00000000	0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000
31	-0.00006649	0.00007254	-0.00005799	0.00005277	0.00006037	0.00002674	0.00001147	0.00001147
32	-0.00007821	0.00012655	-0.00007247	0.00000000	0.00012655	-0.00009889	-0.00012655	0.00012655
33	-0.00002771	0.00011502	0.00008041	-0.00012524	0.00005473	-0.00015781	-0.00008041	-0.00008041
34	0.00004441	0.00003261	0.00019042	-0.00020444	-0.00012252	0.00002179	0.00016863	-0.00016863
35	0.00016168	-0.00008750	0.00022066	-0.00016168	-0.00022865	0.00022084	0.00016168	0.00016168
36	0.00022753	-0.00019355	0.00014062	-0.00000000	-0.00014062	0.00014062	-0.00014062	0.00014062
37	0.00023864	-0.00024087	-0.00021265	0.00017085	0.00007446	-0.00013159	-0.00021528	-0.00021528
38	0.00019182	-0.00021124	-0.00015845	0.00023710	0.00022550	-0.00023192	0.00007327	-0.00007327
39	0.00010302	-0.00011857	-0.00022413	0.00016046	0.00018358	-0.00003550	0.00022413	0.00022413
40	0.00000000	-0.00000000	-0.00018378	0.00000000	0.00000000	0.00018378	0.00000000	0.00000000
41	-0.00008908	0.00010137	-0.00006953	-0.00013718	-0.00015695	0.00015077	-0.00019162	-0.00019162
42	-0.00014018	0.00015438	0.00005354	-0.00017327	-0.00016479	-0.00005354	-0.00005354	0.00005354
43	-0.00014899	0.00015038	0.00012651	-0.00010466	-0.00004661	-0.00015044	0.00013440	0.00013440
44	-0.00017127	0.00010316	0.00012681	-0.00000000	0.00007495	-0.00005186	0.00007495	-0.00007495
45	-0.00007349	0.00003977	0.00007349	0.00007349	0.00010393	0.00007349	-0.00007349	-0.00007349
46	-0.00002494	-0.00001262	0.00000844	0.00008070	0.00004744	0.00007372	-0.00006529	0.00006529
47	0.00000912	-0.00003787	-0.00003176	0.00004124	-0.00001602	-0.00000305	0.00002647	0.00002647
48	0.00002186	-0.00003537	-0.00003537	0.00000000	-0.00003537	-0.00003537	0.00003537	-0.00003537
49	0.00001574	-0.00001718	-0.00001649	-0.00001749	-0.00001429	-0.00001112	-0.00000276	-0.00000276
50	0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000

Table 9 - $\Delta f = 0.00250$

CUTOFF FREQ. (1/MI) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/MI) -	0.00250	0.00260	0.00263	0.00270	0.00275	0.00283	0.00290	0.00300
CUTOFF WAVL. (MI) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (MI) -	400.	385.	380.	370.	364.	353.	345.	333.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.02500000	0.02700000	0.02766667	0.02900000	0.03000000	0.03166667	0.03300000	0.03500000
1	0.02424309	0.02670037	0.02734936	0.02869507	0.02961479	0.03122692	0.03251270	0.03443484
2	0.02300843	0.02581720	0.02641455	0.02760049	0.02848203	0.02993554	0.03108362	0.03278003
3	0.02281348	0.02439650	0.02491230	0.02592535	0.02666840	0.02787371	0.02880711	0.03015361
4	0.02172066	0.02251124	0.02292193	0.02371298	0.02427904	0.02516896	0.02583134	0.02673959
5	0.01930371	0.02625620	0.02054621	0.02108379	0.02144914	0.02198429	0.02234472	0.02277028
6	0.01719888	0.01774125	0.01790394	0.01817615	0.01833329	0.01850460	0.01854953	0.01850440
7	0.01484945	0.01508390	0.01512164	0.01513617	0.01509370	0.01492169	0.01469383	0.01420457
8	0.01250000	0.01240143	0.01232495	0.01210729	0.01188821	0.01141932	0.01095383	0.01011271
9	0.01019080	0.00980352	0.00963046	0.00922063	0.00885932	0.00815980	0.00761822	0.00643266
10	0.00800281	0.00738572	0.00713873	0.00658477	0.00612509	0.00527320	0.00452598	0.00331487
11	0.00600355	0.00522447	0.00497891	0.00428979	0.00377265	0.00285021	0.00208882	0.00084867
12	0.00424413	0.00337369	0.00305532	0.00238373	0.00185475	0.00093894	0.00018853	-0.00093894
13	0.00275767	0.00186344	0.00154622	0.00089178	0.00038945	-0.00045418	-0.00112081	-0.00207809
14	0.00155899	0.00070041	0.00040441	-0.00019190	-0.00063729	-0.00135987	-0.00190627	-0.00264574
15	0.00044563	-0.00012993	-0.00038898	-0.00089830	-0.00126645	-0.00183859	-0.00224641	-0.00275165
16	0.00000000	-0.00065967	-0.00087235	-0.00127789	-0.00155915	-0.00197125	-0.00223965	-0.00252276
17	-0.00040763	-0.00093394	-0.00109640	-0.00139405	-0.00158883	-0.00184914	-0.00199220	-0.00208784
18	-0.00061560	-0.00100579	-0.00111948	-0.00131611	-0.00143331	-0.00156420	-0.00160686	-0.00156420
19	-0.00064706	-0.00093112	-0.00100181	-0.00111286	-0.00116750	-0.00120057	-0.00117378	-0.00104759
20	-0.00040630	-0.00076399	-0.00080049	-0.00084489	-0.00085744	-0.00082823	-0.00076399	-0.00060630
21	-0.00047546	-0.00055273	-0.00056548	-0.00057040	-0.00056603	-0.00049892	-0.00042595	-0.00027941
22	-0.00031180	-0.00033711	-0.00033671	-0.00032257	-0.00030070	-0.00024480	-0.00018529	-0.00007878
23	-0.00014579	-0.00014663	-0.00014243	-0.00012853	-0.00011303	-0.00007932	-0.00004704	0.00000584
24	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000
25	0.00011117	0.00009425	0.00008522	0.00006297	0.00004338	0.00000741	-0.00002211	-0.00006297
26	0.00018106	0.00013638	0.00011602	0.00006927	0.00003066	-0.00003571	-0.00008622	-0.00014902
27	0.00020965	0.00013343	0.00010195	0.00003357	-0.00001978	-0.00010556	-0.00016525	-0.00022898
28	0.00020210	0.00009682	0.00005649	-0.00002490	-0.00008832	-0.00017987	-0.00023639	-0.00028230
29	0.00016705	0.00004003	-0.00000551	-0.00009516	-0.00015711	-0.00024093	-0.00026370	-0.00029860
30	0.00011487	-0.00002355	-0.00007007	-0.00015484	-0.00021226	-0.00027733	-0.00029925	-0.00027733
31	0.00005607	-0.00008235	-0.00012577	-0.00020163	-0.00024506	-0.00028444	-0.00028274	-0.00022571
32	0.00000000	-0.00012779	-0.00016476	-0.00022396	-0.00025228	-0.00026381	-0.00024001	-0.00015591
33	-0.00004610	-0.00015486	-0.00018323	-0.00022293	-0.00023555	-0.00022168	-0.00018087	-0.00008178
34	-0.00007760	-0.00016215	-0.00018115	-0.00020155	-0.00020027	-0.00016711	-0.00011659	-0.00001591
35	-0.00009264	-0.00015142	-0.00016161	-0.00016558	-0.00015405	-0.00010994	-0.00005771	0.00003253
36	-0.00009186	-0.00012479	-0.00012989	-0.00012224	-0.00010510	-0.00005898	-0.00001223	0.00005898
37	-0.00007796	-0.00009376	-0.00009214	-0.00007477	-0.00006089	-0.00002069	0.00001539	0.00006364
38	-0.00005494	-0.00005823	-0.00005470	-0.00004138	-0.00002700	0.00000156	0.00002447	0.00005070
39	-0.00002744	-0.00002559	-0.00002276	-0.00001443	-0.00000653	0.00000759	0.00001766	0.00002693
40	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000
41	0.00002352	0.00001400	0.00001183	0.00000707	-0.00000560	-0.00001673	-0.00002236	-0.00002308
42	0.00004335	0.00002164	0.00001784	-0.00000415	-0.00001983	-0.00003724	-0.00004341	-0.00003724
43	0.00004994	0.00001779	0.00000478	-0.00002128	-0.00003831	-0.00005633	-0.00005833	-0.00004009
44	0.00004947	0.00000658	-0.00006949	-0.00003932	-0.00005659	-0.00006986	-0.00006420	-0.00003176
45	0.00004266	-0.00000902	-0.00002657	-0.00005438	-0.00007094	-0.00007530	-0.00006030	-0.00001498
46	0.00003752	-0.00002563	-0.00004309	-0.00006928	-0.00007878	-0.00007199	-0.00004789	0.00000626
47	0.00001547	-0.00004082	-0.00005620	-0.00007595	-0.00007903	-0.00006095	-0.00002976	0.00002794
48	0.00000000	-0.00005188	-0.00006389	-0.00007564	-0.00007208	-0.00004455	-0.00000950	0.00004455
49	-0.00001342	-0.00005741	-0.00006560	-0.00006805	-0.00005951	-0.00002566	0.00000929	0.00005481
50	-0.00002365	-0.00005710	-0.00006128	-0.00005710	-0.00004371	-0.00000807	0.00002365	0.00005710

(Continued)

Table 9 - Δf = 0.00250 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00307	0.00317	0.00330	0.00350	0.00361	0.00375	0.00393	0.00417
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	326.	316.	303.	286.	277.	267.	255.	240.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.03442457	0.03033333	0.04100000	0.04500000	0.04722222	0.05000000	0.05357143	0.05833333
1	0.03550256	0.03741916	0.04014815	0.04390829	0.04597876	0.04854708	0.05181509	0.05610858
2	0.03397203	0.03553464	0.03746840	0.04074496	0.04238455	0.04436180	0.04677990	0.04977266
3	0.03107458	0.03224761	0.03378023	0.03582496	0.03682849	0.03793743	0.03912397	0.04027416
4	0.02732393	0.02801726	0.02891894	0.02964106	0.02989035	0.03001054	0.02982189	0.02898796
5	0.02298942	0.02316667	0.02319848	0.02277028	0.02228888	0.02149914	0.01999656	0.01745500
6	0.01816472	0.01804995	0.01736359	0.01582655	0.01472608	0.01312519	0.01074119	0.00710330
7	0.01374963	0.01301173	0.01174129	0.00937331	0.00785942	0.00579397	0.00295374	-0.00099023
8	0.00941339	0.00836413	0.00669784	0.00386271	0.00217060	0.00000000	-0.00278151	-0.00425000
9	0.00557732	0.00435006	0.00250488	-0.00040793	-0.00202708	-0.00397625	-0.00424796	-0.00863934
10	0.00239400	0.00113364	-0.00067943	-0.00331487	-0.00465419	-0.00612509	-0.00758134	-0.00858807
11	-0.00004051	-0.00122277	-0.00281549	-0.00490122	-0.00582286	-0.00647078	-0.00719485	-0.00683722
12	-0.00172620	-0.00272490	-0.00396927	-0.00534792	-0.00579759	-0.00600211	-0.00566529	-0.00424413
13	-0.00271119	-0.00346341	-0.00429216	-0.00492927	-0.00493418	-0.00458584	-0.00360691	-0.00159552
14	-0.00302777	-0.00358016	-0.00379919	-0.00396127	-0.00361354	-0.00288064	-0.00155899	0.00053174
15	-0.00302075	-0.00324579	-0.00328649	-0.00275165	-0.00218203	-0.00126645	0.00009282	0.00183859
16	-0.00262858	-0.00263805	-0.00240013	-0.00155915	-0.00090724	0.00000000	0.00115091	0.00229720
17	-0.00204553	-0.00191977	-0.00151187	-0.00056716	0.00004558	0.00079960	0.00159642	0.00208498
18	-0.00145708	-0.00122322	-0.00075273	0.00012421	0.00061560	0.00113748	0.00154577	0.00148619
19	-0.00087975	-0.00064070	-0.00019714	0.00050264	0.00083028	0.00110928	0.00118889	0.00079166
20	-0.00045419	-0.00022192	0.00013413	0.00060430	0.00077711	0.00085744	0.00072602	0.00022192
21	-0.00015522	0.00002245	0.00026360	0.00051931	0.00057061	0.00052830	0.00031769	-0.00011156
22	0.00003379	0.00011264	0.00029236	0.00033445	0.00032187	0.00023864	0.00005653	-0.00020595
23	0.00004355	0.00008834	0.00013400	0.00014306	0.00011592	0.00005688	-0.00003713	-0.00013331
24	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000
25	-0.00008660	-0.00010733	-0.00011117	-0.00006797	-0.00001724	0.00004338	0.00010071	0.00010164
26	-0.00017933	-0.00019591	-0.00017023	-0.00004575	0.00004242	0.00013858	0.00019567	0.00011930
27	-0.00025905	-0.00024267	-0.00016822	0.00002964	0.00014008	0.00023295	0.00023556	0.00009919
28	-0.00028230	-0.00023970	-0.00011351	0.00012976	0.00023413	0.00028581	0.00020210	-0.00007397
29	-0.00027164	-0.00019227	-0.00002595	0.00022040	0.00029207	0.00027780	0.00010723	-0.00019826
30	-0.00022382	-0.00011487	0.00007007	0.00027733	0.00029761	0.00021226	-0.00001683	-0.00027733
31	-0.00015155	-0.00002630	0.00015209	0.00028719	0.00025198	0.00010999	-0.00013192	-0.00028680
32	-0.00007057	0.00005515	0.00020438	0.00025228	0.00017050	0.00000000	-0.00020739	-0.00022972
33	0.00000398	0.00011545	0.00022036	0.00018555	0.00007595	-0.00009042	-0.00022879	-0.00013127
34	0.00006449	0.00014709	0.00020255	0.00010595	-0.00000884	-0.00019338	-0.00019991	-0.00002647
35	0.00009263	0.00014954	0.00016048	0.00003253	-0.00006715	-0.00015405	-0.00013869	0.00005360
36	0.00009973	0.00012432	0.00010745	-0.00002032	-0.00009186	-0.00012992	-0.00006912	0.00009186
37	0.00008601	0.00009279	0.00005688	-0.00004581	-0.00008582	-0.00008662	-0.00001311	0.00008870
38	0.00005901	0.00005367	0.00001926	-0.00004522	-0.00005941	-0.00004205	0.00001646	0.00005896
39	0.00002761	0.00002054	0.00000022	-0.00002425	-0.00002649	-0.00001071	0.00001405	0.00002326
40	0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000
41	-0.00001779	-0.00000529	0.00001425	0.00002250	0.00001153	-0.00000918	-0.00002397	-0.00000157
42	-0.00007782	0.00000343	0.00003573	0.00003321	0.00000570	-0.00003088	-0.00004035	0.00001671
43	-0.00001537	0.00002184	0.00005651	0.00002482	-0.00001402	-0.00005449	-0.00004052	0.00004435
44	0.00000157	0.00004402	0.00006992	0.00001094	-0.00004012	-0.00006995	-0.00002310	0.00006757
45	0.00002332	0.00006384	0.00007203	-0.00001498	-0.00006384	-0.00007094	0.00000645	0.00007530
46	0.00004468	0.00007647	0.00006225	-0.00004162	-0.00007787	-0.00005640	0.00003858	0.00006328
47	0.00004114	0.00007927	0.00004300	-0.00006226	-0.00007835	-0.00003034	0.00006334	0.00003506
48	0.00004969	0.00007208	0.00001885	-0.00007208	-0.00004563	-0.00000000	0.00007389	0.00000000
49	0.00004931	0.00005700	-0.00000493	-0.00006974	-0.00004368	0.00002671	0.00006845	-0.00003087
50	0.00004094	0.00003763	-0.00002345	-0.00005710	-0.00001859	0.00004371	0.00005041	-0.00004904

(Continued)

Table 9 - Δf = 0.00250 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00450	0.00500	0.00583	0.00650	0.00750	0.00917	0.01050	0.01250
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	222.	200.	171.	154.	133.	109.	95.	80.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.06500000	0.07500000	0.09166666	0.10500000	0.12500000	0.15833333	0.18500000	0.22500000
1	0.06193432	0.07047944	0.08364937	0.09315589	0.10547994	0.12012722	0.12594031	0.12442207
2	0.05349214	0.05796149	0.06220034	0.06254367	0.05796149	0.03819191	0.01464568	-0.02400893
3	0.04103152	0.04027414	0.03414278	0.02542197	0.00801103	-0.02281348	-0.03852511	-0.03914279
4	0.02673959	0.02122064	0.00776730	-0.00469468	-0.02122066	-0.02898796	-0.01362451	0.02122066
5	0.01249833	0.00452929	-0.01026834	-0.01930371	-0.02277028	-0.00151842	0.01930371	0.01289833
6	0.00145634	-0.00710330	-0.01714888	-0.01904895	-0.00710330	0.01714888	0.01205494	-0.01714888
7	-0.00433866	-0.01258874	-0.01433688	-0.00739791	0.00841154	0.00998274	-0.01027729	-0.00295374
8	-0.01011271	-0.01250000	-0.00625000	0.00386271	0.01250000	-0.00625000	-0.01011272	0.01250000
9	-0.01031943	-0.00963934	0.00202709	0.00943631	0.00577263	-0.01019080	0.00507499	-0.00202707
10	-0.00800281	-0.00331487	0.00697217	0.00800281	-0.00331487	-0.00113064	0.00800281	-0.00800281
11	-0.00947011	0.00140863	0.00720494	0.00249911	-0.00708167	0.00647578	-0.00195991	0.00401199
12	-0.00093894	0.00424913	0.00424913	-0.00272490	-0.00424913	0.00424913	-0.00592821	0.00424913
13	0.00171801	0.00486836	0.00032464	-0.00477732	0.00096836	-0.00219538	0.00019487	-0.00412715
14	0.00339777	0.00376373	-0.00247999	-0.00347352	0.00376373	-0.00403898	0.00406128	-0.00155899
15	0.00324579	0.00183959	-0.00324579	-0.00064563	0.00275165	-0.00064563	0.00064563	0.00324579
16	0.00252276	0.00000000	-0.00229720	0.00155915	0.00000000	0.00229720	-0.00252276	0.00000000
17	0.00141832	-0.00116384	-0.00067163	0.00207497	-0.00173732	0.00157093	-0.00087477	-0.00204931
18	0.00137553	-0.00148619	0.00061560	0.00122322	-0.00148619	-0.00061560	0.00137159	0.00061560
19	-0.00032591	-0.00117761	0.00107685	0.00004714	-0.00023424	-0.00119811	0.00074333	0.00099833
20	-0.00040630	-0.00060630	0.00082823	-0.00060630	0.00060630	0.00022192	-0.00060630	-0.00060630
21	-0.00055036	-0.00011154	0.00031749	-0.00057139	0.00056084	0.00047596	-0.00044907	-0.00031769
22	-0.00032816	0.00012915	-0.00034405	-0.00021918	0.00012915	0.00026775	0.00017634	0.00031180
23	-0.00010915	0.00012359	-0.00011176	0.00001747	-0.00008258	-0.00004778	0.00013499	0.00002900
24	-0.00000000	0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000	-0.00000000
25	-0.00002211	-0.00009425	0.00008522	-0.00011117	0.00006297	0.00003644	0.00011117	-0.00002211
26	-0.00012728	-0.00007500	0.00002554	-0.00010240	-0.00007500	-0.00015548	-0.00001538	-0.00018106
27	-0.00023656	0.00004919	-0.00014008	0.00006844	-0.00024730	-0.00020965	-0.00025195	0.00014008
28	-0.00028230	0.00020210	-0.00027608	0.00025466	-0.00020210	0.00007397	-0.00004471	0.00020210
29	-0.00023614	0.00029491	-0.00026968	0.00028210	0.00005866	0.00030005	0.00028940	-0.00025001
30	-0.00011487	0.00027733	-0.00011487	0.00011487	0.00027733	0.00011487	0.00011487	-0.00011487
31	0.00003378	0.00015968	0.00009239	-0.00012033	0.00023898	-0.00021609	-0.00025077	0.00028189
32	0.00015591	0.00000000	0.00022972	-0.00025228	0.00000000	0.00022972	-0.00015592	0.00000000
33	0.00021458	-0.00013127	0.00023174	-0.00020615	-0.00019646	0.00004610	0.00017351	-0.00023174
34	0.00022215	-0.00018734	0.00012344	-0.00004734	-0.00018734	0.00020104	0.00015419	0.00007760
35	0.00013964	-0.00016353	-0.00031091	0.00009263	-0.00003253	0.00007375	-0.00009263	0.00013864
36	0.00005498	-0.00009186	-0.00009186	0.00012432	0.00009186	-0.00009186	-0.00011576	-0.00009186
37	-0.00000368	-0.00001829	-0.00009356	0.00007363	0.00009196	-0.00008409	0.00003245	-0.00005709
38	-0.00003107	0.00002274	-0.00004718	0.00004467	0.00002276	0.00000776	0.00005782	0.00005494
39	-0.00002441	0.00002324	-0.00000546	-0.00001899	-0.00001554	0.00002744	-0.00000329	0.00000546
40	0.00000000	0.00000000	0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000
41	0.00002092	-0.00001994	-0.00002271	0.00001428	0.00001332	0.00001581	0.00000282	-0.00000468
42	0.00002282	-0.00001671	-0.00004035	-0.00000343	-0.00001671	0.00004035	-0.00004247	-0.00004035
43	0.00000232	0.00001151	-0.00002609	-0.00004432	-0.00005785	-0.00000386	-0.00002041	0.00003277
44	-0.00003176	0.00004947	0.00001811	-0.00006909	-0.00004947	-0.00006757	0.00006233	0.00004947
45	-0.00004389	0.00007531	0.00006384	-0.00004266	0.00001498	-0.00004266	0.00004266	-0.00006384
46	-0.00007951	0.00007369	0.00007907	0.00001862	0.00007369	0.00004855	-0.00006065	-0.00003052
47	-0.00007199	0.00004404	0.00005227	0.00006917	0.00006592	0.00007507	-0.00005821	0.00007775
48	-0.00004455	0.00000000	0.00000000	0.00007208	0.00000000	0.00000000	0.00004455	0.00000000
49	-0.00000820	-0.00003877	-0.00004602	0.00002922	-0.00005833	-0.00006609	0.00006089	-0.00006895
50	0.00002365	-0.00005710	-0.00006128	-0.00002365	-0.00005710	-0.00003763	-0.00002365	0.00002365

Table 10 - Δf = 0.00300

CUTOFF FREQ. (1/M) -	0.00000	0.00310	0.00313	0.00320	0.00325	0.00333	0.00340	0.00350
TERMIN FREQ. (1/M) -	0.00300	0.00310	0.00313	0.00320	0.00325	0.00333	0.00340	0.00350
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	333.	323.	319.	313.	308.	300.	294.	286.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.03900000	0.03200000	0.03266667	0.03400000	0.03500000	0.03666667	0.03800000	0.04000000
1	0.02956719	0.03149800	0.03213990	0.03342103	0.03437949	0.03597217	0.03724189	0.03913877
2	0.02829869	0.03002924	0.03059962	0.03173019	0.03256902	0.03394911	0.03503447	0.03663855
3	0.02628138	0.02770174	0.02816168	0.02906060	0.02971601	0.03077154	0.03158187	0.03273869
4	0.02365084	0.02469312	0.02500575	0.02561798	0.02604772	0.02670662	0.02718112	0.02780322
5	0.02057866	0.02118400	0.02135692	0.02165874	0.02184619	0.02208362	0.02220551	0.02227418
6	0.01725470	0.01743733	0.01746318	0.01746318	0.01741794	0.01725470	0.01705102	0.01661667
7	0.01348003	0.01367634	0.01357156	0.01330747	0.01306240	0.01256665	0.01209392	0.01126371
8	0.01043056	0.01011342	0.00990546	0.00943759	0.00904290	0.00830660	0.00765162	0.00657005
9	0.00744271	0.00692464	0.00664710	0.00604839	0.00556382	0.00469572	0.00395375	0.00277715
10	0.00509296	0.00423354	0.00392278	0.00326988	0.00275629	0.00186415	0.00112672	0.00000000
11	0.00299371	0.00210921	0.00179905	0.00116149	0.00067344	-0.00014998	-0.00080731	-0.00177054
12	0.00139210	0.00056462	0.00028287	-0.00028287	-0.00070472	-0.00139210	-0.00191810	-0.00264793
13	0.00027335	-0.00043646	-0.00067075	-0.00112853	-0.00145862	-0.00197337	-0.00234479	-0.00281863
14	-0.00041208	-0.00096971	-0.00114649	-0.00148064	-0.00171077	-0.00204715	-0.00226736	-0.00250527
15	-0.00073872	-0.00113464	-0.00125368	-0.00146787	-0.00160505	-0.00178343	-0.00187703	-0.00193037
16	-0.00079499	-0.00104213	-0.00111041	-0.00122379	-0.00128631	-0.00134510	-0.00134984	-0.00128631
17	-0.00067219	-0.00079985	-0.00083015	-0.00087082	-0.00088330	-0.00086918	-0.00082731	-0.00071516
18	-0.00045490	-0.00050150	-0.00050829	-0.00050828	-0.00049644	-0.00045490	-0.00040341	-0.00030009
19	-0.00021357	-0.00021921	-0.00021675	-0.00020546	-0.00019163	-0.00015932	-0.00012629	-0.00006787
20	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000
21	0.00015425	0.00013394	0.00012380	0.00009918	0.00007751	0.00003703	0.00000249	-0.00004902
22	0.00023671	0.00018188	0.00015840	0.00010551	0.00006202	-0.00001390	-0.00007412	-0.00015616
23	0.00025075	0.00015886	0.00012300	0.00004446	-0.00001295	-0.00011008	-0.00018105	-0.00026678
24	0.00021093	0.00008924	0.00004498	-0.00004498	-0.00011089	-0.00021093	-0.00027651	-0.00034130
25	0.00013785	0.00000000	-0.00004702	-0.00013785	-0.00020012	-0.00028578	-0.00033279	-0.00036021
26	0.00005325	-0.00008465	-0.00012841	-0.00020862	-0.00025883	-0.00031777	-0.00033887	-0.00032372
27	-0.00002395	-0.00014704	-0.00018326	-0.00024408	-0.00027718	-0.00030428	-0.00029888	-0.00024693
28	-0.00008031	-0.00017791	-0.00020349	-0.00024165	-0.00025670	-0.00025422	-0.00022775	-0.00015277
29	-0.00010914	-0.00017634	-0.00019126	-0.00020761	-0.00020742	-0.00018356	-0.00014536	-0.00006454
30	-0.00011024	-0.00014827	-0.00015398	-0.00015398	-0.00014403	-0.00011024	-0.00007078	-0.00000000
31	-0.00008873	-0.00010386	-0.00010355	-0.00009484	-0.00008172	-0.00004965	-0.00001789	0.00003214
32	-0.00005306	-0.00005480	-0.00005229	-0.00004298	-0.00003279	-0.00001160	0.00000699	0.00003279
33	-0.00001784	-0.00001165	-0.00001054	-0.00000741	-0.00000446	0.00000101	0.00000530	0.00001092
34	0.00002313	0.00001905	0.00001512	0.00000793	0.00000184	-0.00000839	-0.00001549	-0.00002228
35	0.00004842	0.00003981	0.00002256	0.00000411	-0.00001022	-0.00003191	-0.00004469	-0.00005241
36	0.00005972	0.00002714	0.00001383	-0.00001383	-0.00003352	-0.00005972	-0.00007150	-0.00007021
37	0.00005702	0.00001100	-0.00000597	-0.00003863	-0.00005960	-0.00008277	-0.00008770	-0.00007103
38	0.00004309	-0.00001188	-0.00003024	-0.00006270	-0.00008084	-0.00009468	-0.00008920	-0.00005573
39	0.00002231	-0.00003518	-0.00005246	-0.00007986	-0.00009197	-0.00009291	-0.00007641	-0.00002953
40	0.00000000	-0.00005346	-0.00006759	-0.00008449	-0.00009095	-0.00007876	-0.00005346	-0.00000000
41	-0.00001914	-0.00006319	-0.00007287	-0.00008191	-0.00007893	-0.00005645	-0.00002656	0.00002534
42	-0.00003169	-0.00006317	-0.00006813	-0.00006813	-0.00005953	-0.00003169	-0.00000219	0.00004104
43	-0.00003601	-0.00005447	-0.00005542	-0.00004601	-0.00003764	-0.00001011	0.00001463	0.00004486
44	-0.00003233	-0.00003989	-0.00003826	-0.00002913	-0.00001814	0.00000418	0.00002141	0.00003801
45	-0.00002245	-0.00002311	-0.00002072	-0.00001270	-0.00000474	0.00000930	0.00001848	0.00002430
46	-0.00000918	-0.00000784	-0.00000643	-0.00000259	0.00000073	0.00000585	0.00000853	0.00000884
47	0.00000435	0.00000299	0.00000212	0.00000007	-0.00000151	-0.00000360	-0.00000434	-0.00000353
48	0.00001533	0.00000777	0.00000401	-0.00000401	-0.00000948	-0.00001533	-0.00001584	-0.00000948
49	0.00002183	0.00000637	-0.00000013	-0.00001269	-0.00002011	-0.00002560	-0.00002263	-0.00000791
50	0.00002305	0.00000000	-0.00000849	-0.00002305	-0.00003011	-0.00003148	-0.00002305	-0.00000000

(Continued)

Table 10 - Δf = 0.00300 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00357	0.00367	0.00380	0.00400	0.00411	0.00425	0.00443	0.00467
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	280.	273.	263.	250.	243.	235.	226.	214.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.04142857	0.04333333	0.04600000	0.05000000	0.05222222	0.05500000	0.05857143	0.06333333
1	0.04094780	0.04227455	0.04476962	0.04846905	0.05050306	0.05302566	0.05623072	0.06093489
2	0.03776085	0.03922757	0.04122170	0.04407625	0.04558704	0.04739856	0.04959385	0.05227704
3	0.03352063	0.03456400	0.03576356	0.03738486	0.03814611	0.03894792	0.03973335	0.04034250
4	0.02818053	0.02859521	0.02900352	0.02923404	0.02916283	0.02887412	0.02818053	0.07670663
5	0.02223914	0.02208362	0.02165874	0.02057866	0.01975744	0.01852030	0.01660857	0.01355966
6	0.01621584	0.01556749	0.01445059	0.01235443	0.01099536	0.00912899	0.00650464	0.00273319
7	0.01058710	0.00958393	0.00800577	0.00532808	0.00372075	0.00163647	-0.00109238	-0.00464758
8	0.00573300	0.00454635	0.00277976	0.00000000	-0.00155563	-0.00345408	-0.00573300	-0.00830660
9	0.00190138	0.00070317	-0.00098619	-0.00343919	-0.00469572	-0.00610041	-0.00755542	-0.00873873
10	-0.00080493	-0.00186415	-0.00326988	-0.00509296	-0.00589997	-0.00665427	-0.00715724	-0.00695711
11	-0.00242790	-0.00324529	-0.00423779	-0.00529346	-0.00561457	-0.00572518	-0.00538650	-0.00915610
12	-0.00311318	-0.00364456	-0.00418857	-0.00450492	-0.00440648	-0.00401391	-0.00311318	-0.00139210
13	-0.00308634	-0.00334054	-0.00348359	-0.00321881	-0.00283639	-0.00215693	-0.00103938	0.00063491
14	-0.00260176	-0.00263058	-0.00247846	-0.00146266	-0.00135671	-0.00061494	0.00041208	0.00165775
15	-0.00170310	-0.00178343	-0.00146787	-0.00073872	-0.00025196	0.00037660	0.00111705	0.00178343
16	-0.00119102	-0.00100511	-0.00065158	-0.00000000	0.00037280	0.00079499	0.00119102	0.00134510
17	-0.00060368	-0.00042180	-0.00012455	0.00033829	0.00056228	0.00077127	0.00088349	0.00072852
18	-0.00021114	-0.00007987	0.00011137	0.00036101	0.00045490	0.00050897	0.00046484	0.00023178
19	-0.00002214	0.00004083	0.00012059	0.00020292	0.00021923	0.00020606	0.00013886	-0.00000575
20	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	-0.00000000
21	-0.00008288	-0.00012062	-0.00015361	-0.00014656	-0.00011507	-0.00005491	0.00003703	0.00013526
22	-0.00020394	-0.00024802	-0.00026449	-0.00018786	-0.00010380	0.00002084	0.00017026	0.00026530
23	-0.00030742	-0.00032965	-0.00029614	-0.00012619	0.00000268	0.00016113	0.00030175	0.00029764
24	-0.00035850	-0.00034130	-0.00024566	-0.00000000	0.00014596	0.00029032	0.00035850	0.00021093
25	-0.00034613	-0.00028579	-0.00013785	0.00013785	0.00026558	0.00035329	0.00031527	0.00004702
26	-0.00027979	-0.00018538	-0.00000104	0.00024068	0.00032183	0.00033097	0.00019384	-0.00012198
27	-0.00018216	-0.00007125	0.00009887	0.00028199	0.00030428	0.00023970	0.00004436	-0.00023209
28	-0.00008031	0.00002717	0.00016547	0.00025990	0.00022948	0.00011799	-0.00008031	-0.00025422
29	0.00000234	0.00008992	0.00018143	0.00019297	0.00013003	0.00000820	-0.00014603	-0.00020027
30	0.00005149	0.00011024	0.00015398	0.00011024	0.00004035	-0.00005966	-0.00014715	-0.00011024
31	0.00006396	0.00009392	0.00010190	0.00003962	-0.00001538	-0.00007642	-0.00010327	-0.00002956
32	0.00004656	0.00005548	0.00004710	0.00000000	-0.00002956	-0.00005306	-0.00004656	-0.00001140
33	0.00001245	0.00001252	0.00000773	-0.00000493	-0.00001061	-0.00001279	-0.00000648	0.00000837
34	-0.00002337	-0.00001964	-0.00000653	0.00001656	0.00002299	0.00001997	0.00000158	-0.00002187
35	-0.00004842	-0.00003191	0.00000411	0.00004842	0.00005117	0.00002912	-0.00002006	-0.00005196
36	-0.00005559	-0.00002281	0.00003143	0.00007382	0.00005972	0.00001155	-0.00005559	-0.00005972
37	-0.00004418	0.00000230	0.00006305	0.00008112	0.00004956	-0.00002383	-0.00004489	-0.00003780
38	-0.00001902	0.00003398	0.00008701	0.00006704	0.00001155	-0.00006157	-0.00009288	0.00000496
39	0.00001176	0.00006204	0.00009545	0.00003657	-0.00002714	-0.00008678	-0.00007637	0.00004993
40	0.00003946	0.00007874	0.00008649	0.00000000	-0.00005846	-0.00009095	-0.00003946	0.00007876
41	0.00005733	0.00008063	0.00006400	-0.00000138	-0.00007339	-0.00007447	0.00000092	0.00008198
42	0.00006220	0.00006895	0.00003554	-0.00004937	-0.00004972	-0.00004534	0.00003169	0.00006220
43	0.00005497	0.00004073	0.00000953	-0.00005123	-0.00005194	-0.00001505	0.00004449	0.00003191
44	0.00003932	0.00002674	-0.00000749	-0.00003996	-0.00002875	0.00000625	0.00003932	0.00000418
45	0.00002127	0.00000930	-0.00001270	-0.00002295	-0.00000930	0.00001350	0.00002335	-0.00000930
46	0.00000627	0.00000149	-0.00000734	-0.00000457	0.00000016	0.00000792	0.00000686	-0.00000722
47	-0.00000176	0.00000124	0.00000417	0.00000167	-0.00000181	-0.00000433	-0.00000158	0.00000429
48	-0.00000145	0.00000448	0.00001609	0.00000000	-0.00001198	-0.00001533	0.00000145	0.00001533
49	0.00000598	0.00002110	0.00002334	-0.00000980	-0.00002428	-0.00001880	0.00001338	0.00001763
50	0.00001734	0.00003148	0.00002305	-0.00002305	-0.00003247	-0.00001247	0.00002760	0.00000844

(Continued)

Table 10 - Δf = 0.00300 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00500	0.00550	0.00633	0.00700	0.00800	0.00967	0.01100	0.01300
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	200.	182.	158.	143.	125.	103.	91.	77.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.07000000	0.09000000	0.09666667	0.11000000	0.13000000	0.16333333	0.19000000	0.22999999
1	0.06617799	0.07999637	0.08718806	0.09630978	0.10799177	0.12199002	0.12624530	0.17315623
2	0.05553931	0.05928292	0.06224780	0.06156580	0.05553931	0.03399911	0.00975107	-0.02829869
3	0.04034250	0.03848664	0.03077154	0.02119408	0.00317503	-0.02628137	-0.03934914	-0.03077154
4	0.02345084	0.01718334	0.00305579	-0.00903381	-0.02365083	-0.02670662	-0.00903382	0.02345083
5	0.00852396	0.00000000	-0.01355946	-0.02057866	-0.02057866	0.02290736	0.02057866	0.00852396
6	-0.00273319	-0.01026947	-0.01725670	-0.01556749	-0.00273319	0.01725669	0.00793204	-0.01725669
7	-0.00904224	-0.01324152	-0.01147427	-0.00325025	0.01058710	0.00599399	-0.01187127	0.00109238
8	-0.01063056	-0.01063054	-0.00232396	0.00657005	0.01063056	-0.00830660	-0.00657005	0.01063056
9	-0.00873473	-0.00528245	0.00469572	0.00895934	0.00209798	-0.00766271	0.00683380	-0.00969571
10	-0.00509296	-0.00000000	0.00695711	0.00509296	-0.00509296	0.00184415	0.00509296	-0.00509296
11	-0.00133755	0.00336777	0.00503527	-0.00044954	-0.00557129	0.00572763	-0.00372107	0.00988528
12	0.00139210	0.00428443	0.00139210	-0.00364456	-0.00139210	0.00139210	-0.00364456	0.00139210
13	0.00264927	0.00331350	-0.00149991	-0.00338775	0.00226269	-0.00287127	0.00182039	-0.00347328
14	0.00260176	0.00154834	-0.00245923	-0.00119570	0.00260176	-0.00209715	0.00234708	0.00091208
15	0.00178343	0.00000000	-0.00178343	0.00073872	0.00073872	0.00073872	-0.00073872	0.00178343
16	0.00079499	-0.00079499	-0.00055012	0.00128631	0.00079499	0.00139510	-0.00128631	-0.00079499
17	0.00004936	-0.00084072	0.00029508	0.00075372	-0.00088126	0.00016109	0.00020636	-0.00057910
18	-0.00023178	-0.00048556	0.00045490	0.00007487	-0.00023178	-0.00045490	0.00050926	0.00045490
19	-0.00018727	-0.00012910	0.00021059	-0.00014264	0.00011476	-0.00015119	-0.00001723	0.00005127
20	-0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000
21	0.00013526	-0.00009324	0.00003703	0.00010302	-0.00008288	-0.00015425	0.00001245	-0.00003703
22	0.00017061	-0.00025264	0.00022281	-0.00004156	0.00012061	-0.00001390	-0.00026240	-0.00023671
23	-0.00002587	-0.00031342	0.00032424	-0.00028117	0.00032875	0.00031085	-0.00007698	0.00021416
24	-0.00021093	-0.00021093	0.00021093	-0.00034130	0.00021093	0.00021093	0.00034130	0.00021093
25	-0.00033279	-0.00000000	-0.00004702	-0.00013785	-0.00013785	-0.00021928	0.00013785	-0.00033279
26	-0.00033619	0.00020007	-0.00026452	0.00015453	-0.00033619	-0.00031777	-0.00030328	-0.00005325
27	-0.00023209	0.00029028	-0.00030428	0.00029679	-0.00019823	0.00002395	-0.00015948	0.00030428
28	-0.00008031	0.00024718	-0.00017391	0.00021026	0.00008031	0.00025422	0.00021026	-0.00008031
29	0.00004876	0.00012277	0.00000547	0.00001439	0.00020310	0.00009966	0.00013565	-0.00017809
30	0.00011024	0.00000000	0.00011024	-0.00011024	0.00011024	-0.00011024	-0.00011024	0.00011024
31	0.00010119	-0.00006117	0.00010403	-0.00010374	-0.00002429	-0.00009195	-0.00007913	0.00005437
32	0.00005306	-0.00005304	0.00004146	-0.00003279	-0.00005306	0.00001160	0.00003279	-0.00005306
33	0.00000937	-0.00001225	0.00000101	0.00000301	-0.00000979	0.00001284	0.00001098	-0.00000101
34	-0.00000366	0.00001377	0.00001474	-0.00002087	-0.00000366	-0.00000839	0.00001063	-0.00002313
35	0.00002006	0.00000000	0.00005196	-0.00004842	-0.00004842	0.00004158	0.00004842	0.00002006
36	0.00005972	-0.00004339	0.00005972	-0.00002281	-0.00005972	0.00005972	-0.00002281	0.00005972
37	0.00004753	-0.00006350	0.00001600	0.00004588	0.00009689	-0.00002931	-0.00008538	-0.00004676
38	0.00008447	-0.00009017	-0.00005143	0.00009364	0.00008447	-0.00009468	0.00001483	-0.00004304
39	0.00004993	-0.00005614	-0.00007291	0.00007266	0.00008147	-0.00002231	0.00009526	0.00007291
40	0.00000000	-0.00000000	-0.00007876	0.00000000	0.00000000	0.00007876	0.00000000	0.00000000
41	-0.00004785	0.00004870	-0.00002329	-0.00006736	-0.00006992	0.00005998	-0.00008175	-0.00007974
42	-0.00006220	0.00006640	0.00003169	-0.00006895	-0.00006220	-0.00003169	-0.00001092	0.00003169
43	-0.00005528	0.00005274	0.00005227	-0.00002897	-0.00000435	-0.00005453	-0.00005392	0.00004217
44	-0.00003233	0.00002349	0.00003651	0.00001235	0.00003233	-0.00000418	0.00001235	-0.00003233
45	-0.00000930	0.00000000	0.00000930	0.00002245	0.00002245	0.00002245	-0.00002245	-0.00000930
46	0.00000145	-0.00000544	-0.00000333	0.00000828	0.00000145	0.00000585	-0.00000422	0.00000918
47	-0.00000283	0.00000415	0.00000394	-0.00000102	0.00000332	0.00000297	-0.00000372	0.00000039
48	-0.00001533	0.00001533	0.00001533	0.00000948	0.00001533	0.00001533	-0.00000948	0.00001533
49	-0.00002490	0.00001505	0.00001222	0.00002553	0.00000598	-0.00000067	0.00001947	-0.00001338
50	-0.00002305	0.00000000	-0.00000844	0.00002305	-0.00002305	-0.00003198	0.00002305	-0.00002305

Table 11 - Δf = 0.00400

CUTOFF FREQ. (1/M) -	0.00000	0.00010	0.00013	0.00020	0.00025	0.00033	0.00040	0.00050
TERMIN FREQ. (1/M) -	0.00400	0.00410	0.00413	0.00420	0.00425	0.00433	0.00440	0.00450
CUTOFF WAVL. (M) -	INFIN	10000.	7500.	5000.	4000.	3000.	2500.	2000.
TERMIN WAVL. (M) -	250.	244.	242.	238.	235.	231.	227.	222.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.04000000	0.04200000	0.04266667	0.04400000	0.04500000	0.04666667	0.04800000	0.05000000
1	0.03897872	0.04085923	0.04149251	0.04272765	0.04365844	0.04520374	0.04643992	0.04827084
2	0.03603937	0.03757948	0.03808495	0.03908291	0.03982015	0.04102696	0.04197221	0.04335593
3	0.03153445	0.03257870	0.03291082	0.03355062	0.03400878	0.03473029	0.03526900	0.03601164
4	0.02598581	0.02646470	0.02660119	0.02683913	0.02698671	0.02717342	0.02726918	0.02732310
5	0.02000000	0.01993835	0.01989044	0.01975377	0.01961571	0.01931852	0.01902113	0.01877759
6	0.01417408	0.01367777	0.01348510	0.01306005	0.01270733	0.01205719	0.01148335	0.01053837
7	0.00900984	0.00823711	0.00795692	0.00736488	0.00689471	0.00606552	0.00536518	0.00426186
8	0.00485145	0.00397429	0.00366992	0.00303842	0.00255056	0.00171606	0.00103497	0.00000000
9	0.00185613	0.00103270	0.00075282	0.00018867	-0.00023582	-0.00093963	-0.00149377	-0.00229841
10	0.00000000	-0.00046393	-0.00098240	-0.00131151	-0.00162416	-0.00212207	-0.00249464	-0.00300105
11	-0.00088588	-0.00134145	-0.00148506	-0.00175706	-0.00194596	-0.00222770	-0.00242049	-0.00264855
12	-0.00105998	-0.00131458	-0.00138950	-0.00152262	-0.00160680	-0.00171509	-0.00177141	-0.00180335
13	-0.00080958	-0.00091091	-0.00093677	-0.00097538	-0.00099253	-0.00099808	-0.00098176	-0.00092338
14	-0.00039076	-0.00040905	-0.00041078	-0.00040763	-0.00039952	-0.00037535	-0.00034691	-0.00029053
15	0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000
16	0.00025311	0.00022470	0.00021198	0.00018218	0.00015643	0.00010825	0.00006618	0.00000000
17	0.00033727	0.00026065	0.00023070	0.00016556	0.00011316	0.00002182	-0.00005225	-0.00015953
18	0.00028124	0.00016208	0.00011899	0.00003004	-0.00003759	-0.00014786	-0.00023051	-0.00033834
19	0.00014654	0.00000745	-0.00003948	-0.00013230	-0.00019853	-0.00029843	-0.00036538	-0.00043811
20	0.00000000	-0.00013115	-0.00017262	-0.00024946	-0.00030011	-0.00036755	-0.00040364	-0.00042491
21	-0.00010709	-0.00020407	-0.00023722	-0.00028461	-0.00031970	-0.00034227	-0.00034585	-0.00032015
22	-0.00014990	-0.00021092	-0.00022600	-0.00024701	-0.00025423	-0.00024945	-0.00023075	-0.00018033
23	-0.00013058	-0.00015569	-0.00015947	-0.00016069	-0.00015534	-0.00013536	-0.00011099	-0.00006177
24	-0.00007074	-0.00007424	-0.00007306	-0.00006730	-0.00006018	-0.00004372	-0.00002738	-0.00000000
25	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000
26	0.00005527	0.00004359	0.00003797	0.00002474	0.00001357	-0.00000607	-0.00002139	-0.00004109
27	0.00007963	0.00004977	0.00003623	0.00000926	-0.00001157	-0.00004469	-0.00006738	-0.00009094
28	0.00007122	0.00002271	0.00000507	-0.00003013	-0.00005501	-0.00009005	-0.00010969	-0.00012117
29	0.00003953	-0.00001803	-0.00003698	-0.00007191	-0.00009394	-0.00011943	-0.00012768	-0.00011819
30	-0.00000000	-0.00005505	-0.00007128	-0.00009810	-0.00011203	-0.00012126	-0.00011533	-0.00008574
31	-0.00003224	-0.00007492	-0.00008547	-0.00010019	-0.00010425	-0.00009740	-0.00008039	-0.00003993
32	-0.00004735	-0.00007289	-0.00007759	-0.00008040	-0.00007661	-0.00005986	-0.00003881	-0.00000000
33	-0.00004311	-0.00005294	-0.00005318	-0.00004890	-0.00004185	-0.00002419	-0.00000668	0.00002039
34	-0.00002433	-0.00002494	-0.00002358	-0.00001465	-0.00001337	-0.00000267	0.00000636	0.00001809
35	-0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000
36	0.00002745	0.00001370	0.00001036	0.00000269	-0.00000336	-0.00001264	-0.00001815	-0.00002150
37	0.00003044	0.00001330	0.00000627	-0.00000821	-0.00001838	-0.00003155	-0.00003696	-0.00003476
38	0.00002807	0.00000150	-0.00000796	-0.00002559	-0.00003632	-0.00004671	-0.00004691	-0.00003377
39	0.00001603	-0.00001524	-0.00002500	-0.00004100	-0.00004868	-0.00005125	-0.00004381	-0.00001986
40	0.00000000	-0.00002970	-0.00003755	-0.00004805	-0.00005053	-0.00004376	-0.00002970	-0.00000000
41	-0.00001378	-0.00003648	-0.00004110	-0.00004457	-0.00004183	-0.00002806	-0.00001107	0.00001704
42	-0.00002072	-0.00003384	-0.00003519	-0.00003278	-0.00002681	-0.00001090	0.00000492	0.00002493
43	-0.00001930	-0.00002383	-0.00002298	-0.00001789	-0.00001166	0.00000125	0.00001149	0.00002204
44	-0.00001113	-0.00001088	-0.00000941	-0.00000564	-0.00000183	0.00000476	0.00000901	0.00001170
45	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
46	0.00000973	0.00000521	0.00000296	-0.00000192	-0.00000534	-0.00000934	-0.00001021	-0.00000723
47	0.00001475	0.00000370	-0.00000076	-0.00000928	-0.00001431	-0.00001820	-0.00001649	-0.00000678
48	0.00001384	-0.00000295	-0.00000847	-0.00001814	-0.00002239	-0.00002239	-0.00001611	-0.00000000
49	0.00000404	-0.00001144	-0.00001699	-0.00002447	-0.00002598	-0.00002021	-0.00000957	0.00000995
50	0.00000000	-0.00001419	-0.00002228	-0.00002572	-0.00002376	-0.00001286	-0.00000000	0.00001819

(Continued)

Table 11 - Δf = 0.00400 (Continued)

CUTOFF FREQ. (1/M) -	0.00057	0.00067	0.00080	0.00100	0.00111	0.00125	0.00143	0.00167
TERMIN FREQ. (1/M) -	0.00457	0.00467	0.00480	0.00500	0.00511	0.00525	0.00543	0.00567
CUTOFF WAVL. (M) -	1750.	1500.	1250.	1000.	900.	800.	700.	600.
TERMIN WAVL. (M) -	219.	214.	208.	200.	196.	190.	184.	176.

N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.05142857	0.05333333	0.05600000	0.06000000	0.06222222	0.06500000	0.06857143	0.07333333
1	0.04957531	0.05130986	0.05370686	0.05726536	0.05921810	0.06163360	0.06469598	0.06869956
2	0.04431732	0.04556504	0.04724312	0.04960393	0.05083147	0.05227864	0.05399249	0.05601298
3	0.03649324	0.03707097	0.03775413	0.03849883	0.03876519	0.03894867	0.03893947	0.03849883
4	0.02729559	0.02717342	0.02683913	0.02598581	0.02533354	0.02434506	0.02280313	0.02030502
5	0.01801938	0.01732051	0.01618034	0.01414214	0.01285575	0.01111191	0.00867768	0.00517638
6	0.00980540	0.00876004	0.00717982	0.00460544	0.00309861	0.00116932	-0.00133594	-0.00460544
7	0.00344145	0.00231547	0.00069928	-0.00179218	-0.00306971	-0.00466252	-0.00654603	-0.00865490
8	-0.00073986	-0.00171606	-0.00303842	-0.00485195	-0.00573356	-0.00667745	-0.00758959	-0.00820857
9	-0.00284632	-0.00353057	-0.00437859	-0.00535189	-0.00571258	-0.00596493	-0.00595220	-0.00535189
10	-0.00331820	-0.00367553	-0.00403641	-0.00424413	-0.00417965	-0.00392107	-0.00331820	-0.00212207
11	-0.00276346	-0.00295104	-0.00284916	-0.00255431	-0.00225904	-0.00177480	-0.00100731	0.00015003
12	-0.00178703	-0.00171509	-0.00152262	-0.00105998	-0.00073349	-0.00028211	0.00032200	0.00105998
13	-0.00085798	-0.00074274	-0.00053553	-0.00015435	0.00006972	0.00034593	0.00065758	0.00093307
14	-0.00024151	-0.00016712	-0.00005150	0.00012497	0.00021773	0.00031243	0.00039076	0.00040190
15	-0.00000000	-0.00000000	0.00000003	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
16	-0.00004752	-0.00010825	-0.00018218	-0.00025311	-0.00026597	-0.00025311	-0.00019236	-0.00005533
17	-0.00022966	-0.00030981	-0.00038761	-0.00041175	-0.00037469	-0.00028298	-0.00011091	0.00019990
18	-0.00039933	-0.00045504	-0.00047754	-0.00038710	-0.00028124	-0.00011170	0.00012729	0.00038710
19	-0.00046658	-0.00047160	-0.00041555	-0.00021528	-0.00006690	0.00012872	0.00034275	0.00047355
20	-0.00041377	-0.00036755	-0.00024946	-0.00000000	0.00014516	0.00030011	0.00041377	0.00036755
21	-0.00028035	-0.00020349	-0.00006493	0.00015732	0.00025752	0.00033352	0.00032957	0.00015732
22	-0.00013080	-0.00005302	0.00006342	0.00020631	0.00024744	0.00024797	0.00016779	-0.00002666
23	-0.00002167	0.00003354	0.00010288	0.00015942	0.00015661	0.00011852	0.00002882	-0.00010157
24	0.00001979	0.00004372	0.00006730	0.00007074	0.00005528	0.00002299	-0.00002619	-0.00007074
25	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000	-0.00000000
26	-0.00005117	-0.00005780	-0.00005258	-0.00001796	0.00000809	0.00003774	0.00005759	0.00003889
27	-0.00009403	-0.00009361	-0.00006274	0.00001540	0.00005786	0.00009235	0.00009051	0.00001540
28	-0.00011624	-0.00009005	-0.00003013	0.00007122	0.00010891	0.00011968	0.00007122	-0.00004929
29	-0.00009634	-0.00005203	0.00002397	0.00011399	0.00012785	0.00010046	0.00001147	-0.00010729
30	-0.00005261	-0.00000000	0.00007128	0.00012124	0.00010502	0.00004640	-0.00005261	-0.00012124
31	-0.00000468	0.00004249	0.00009143	0.00009296	0.00005529	-0.00001226	-0.00008707	-0.00008750
32	0.00002930	0.00005984	0.00008040	0.00004735	0.00000562	-0.00004735	-0.00008047	-0.00003276
33	0.00003682	0.00005068	0.00004954	0.00000834	-0.00002167	-0.00004839	-0.00004692	0.00000834
34	0.00002352	0.00002544	0.00001751	-0.00000790	-0.00002016	-0.00002550	-0.00001312	0.00001712
35	0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000
36	-0.00001977	-0.00001264	0.00000249	0.00002045	0.00002045	0.00000976	-0.00001103	-0.00002045
37	-0.00002600	-0.00002782	0.00002016	0.00003716	0.00002614	-0.00000198	-0.00003313	-0.00002368
38	-0.00001678	0.00000993	0.00004032	0.00003864	0.00001316	-0.00002495	-0.00004771	-0.00004499
39	0.00000233	0.00003050	0.00005148	0.00002356	-0.00001079	-0.00004527	-0.00004330	0.00002356
40	0.00002192	0.00004376	0.00004805	0.00000000	-0.00003248	-0.00005053	-0.00002192	0.00004376
41	0.00003358	0.00004434	0.00003250	-0.00002024	-0.00004134	-0.00003890	0.00000400	0.00004453
42	0.00003353	0.00003353	0.00001298	-0.00002852	-0.00003506	-0.00001842	0.00002072	0.00002852
43	0.00002376	0.00001773	-0.00000150	-0.00002356	-0.00001978	-0.00000094	0.00002194	0.00000855
44	0.00001030	0.00000474	-0.00000549	-0.00001113	-0.00000549	0.00000531	0.00001159	-0.00000293
45	0.00000000	0.00000000	-0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000
46	-0.00000272	0.00000414	0.00001005	0.00000316	-0.00000940	-0.00001019	-0.00000359	0.00001000
47	0.00000245	0.00001355	0.00001765	-0.00000285	-0.00001511	-0.00001655	0.00000325	0.00001702
48	0.00001207	0.00002239	0.00001819	-0.00001384	-0.00002341	-0.00001384	0.00001549	0.00001384
49	0.00002104	0.00002584	0.00001107	-0.00002317	-0.00002911	-0.00000304	0.00002473	0.00000134
50	0.00002508	0.00002229	0.00000000	-0.00002572	-0.00001453	0.00000984	0.00002508	-0.00001286

(Continued)

Table 11 - Δf = 0.00400 (Continued)

CUTOFF FREQ. (1/M) -	0.00200	0.00250	0.00333	0.00400	0.00500	0.00667	0.00800	0.01000
TERMIN FREQ. (1/M) -	0.00600	0.00650	0.00733	0.00800	0.00900	0.01067	0.01200	0.01400
CUTOFF WAVL. (M) -	500.	400.	300.	250.	200.	150.	125.	100.
TERMIN WAVL. (M) -	167.	154.	136.	125.	111.	94.	83.	71.
N	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS	WEIGHTS
0	0.08000000	0.09000000	0.10666667	0.12000000	0.14000000	0.17333333	0.20000000	0.24000000
1	0.07419193	0.08191994	0.09373869	0.10204761	0.11238959	0.12338138	0.12413779	0.11996417
2	0.05831292	0.06055494	0.06097795	0.05831292	0.04960394	0.02493858	0.00000000	-0.03603936
3	0.03707097	0.03323487	0.02291112	0.01204509	-0.00609761	-0.03153445	-0.03897872	-0.02291112
4	0.01606012	0.00844330	-0.00548079	-0.01606011	-0.02598581	-0.02030502	-0.00000000	0.02598581
5	0.00000000	-0.00765367	-0.01732051	-0.02000000	-0.01414214	0.01000000	0.02000000	0.00000001
6	-0.00876006	-0.01327912	-0.01417408	-0.00876007	0.00460544	0.01417408	0.00000000	-0.01417408
7	-0.01059170	-0.01082907	-0.00452974	0.00344145	0.01099967	-0.00116411	-0.01113478	0.00659403
8	-0.00784982	-0.00485145	0.00335712	0.00784982	0.00485145	-0.00420857	-0.00000000	0.00485146
9	-0.00353057	0.00047127	0.00571258	0.00485941	-0.00272492	-0.00185613	0.00600656	-0.00571258
10	-0.00000000	0.00300105	0.00367553	0.00000000	-0.00424413	0.00367553	0.00000000	-0.00000000
11	0.00168504	0.00285793	0.00059609	-0.00231926	-0.00130149	0.00191824	-0.00286477	0.00272496
12	0.00171509	0.00145894	-0.00105998	-0.00171509	0.00105998	-0.00105998	-0.00000000	-0.00105998
13	0.00095054	0.00023332	-0.00099398	-0.00030885	0.00098715	-0.00091305	0.00099995	-0.00058796
14	0.00024151	-0.00018653	-0.00030534	0.00024151	0.00012497	0.00008543	0.00000000	0.00039076
15	0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	0.00000000	0.00000000
16	0.00015643	0.00025311	-0.00019778	-0.00015643	0.00025311	-0.00005533	0.00000000	0.00025311
17	0.00039648	0.00021792	-0.00041460	0.00012882	0.00006522	0.00038084	-0.00041688	-0.00024504
18	0.00045506	-0.00007485	-0.00028124	0.00045506	-0.00038710	0.00028124	-0.00000000	-0.00028124
19	0.00027873	-0.00036059	0.00009859	0.00038364	-0.00042252	-0.00031730	0.00047420	0.00045099
20	0.00000000	-0.00042441	0.00036755	0.00000000	-0.00000000	-0.00036755	0.00000000	0.00000000
21	-0.00020369	-0.00026351	0.00032957	-0.00028035	0.00030876	-0.00010708	-0.00039653	-0.00032957
22	-0.00024254	-0.00003989	0.00010373	-0.00024254	0.00020631	0.00025362	-0.00000000	0.00019990
23	-0.00015350	0.00008433	-0.00006565	-0.00009988	-0.00002525	0.00001687	0.00016140	0.00009487
24	-0.00004372	0.00007074	-0.00007074	0.00004372	-0.00007074	-0.00007074	0.00000000	-0.00007074
25	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	-0.00000000	-0.00000000	-0.00000000
26	-0.00003416	-0.00002638	0.00001208	-0.00003416	-0.00001796	-0.00004319	0.00000000	-0.00005527
27	-0.00009361	0.00002298	-0.00005786	0.00003042	-0.00009722	-0.00007963	-0.00009843	0.00005706
28	-0.00011624	0.00009803	-0.00012051	0.00011524	-0.00007122	0.00009929	-0.00000000	0.00007122
29	-0.00007519	0.00012753	-0.00009507	0.00010350	0.00005808	0.00012513	0.00012793	-0.00012167
30	-0.00000000	0.00008574	-0.00000000	0.00000000	0.00012126	0.00000000	0.00000000	-0.00000000
31	0.00006132	0.00000817	0.00007753	-0.00008441	0.00004737	-0.00010205	-0.00010433	0.00009923
32	0.00007661	-0.00004735	0.00008011	-0.00007661	-0.00004735	-0.00003276	-0.00000000	-0.00004735
33	0.00005068	-0.00005181	0.00003132	-0.00001447	-0.00005243	0.00009311	0.00005329	-0.00003132
34	0.00001504	-0.00002279	-0.00000532	0.00001504	-0.00000790	0.00001901	0.00000000	0.00002433
35	0.00000000	-0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	-0.00000000	0.00000000
36	0.00001264	-0.00000644	0.00002045	-0.00001264	-0.00002045	0.00002045	0.00000000	0.00002045
37	0.00003578	-0.00003208	0.00001530	0.00001163	-0.00000589	-0.00000393	-0.00003762	-0.00002211
38	0.00004542	-0.00004717	-0.00001942	0.00004542	0.00003864	-0.00004750	-0.00000000	-0.00002807
39	0.00003050	-0.00003370	-0.00004935	0.00004198	0.00004623	-0.00001603	0.00005189	0.00004935
40	0.00000000	-0.00000000	-0.00004376	0.00000000	0.00000000	0.00004376	0.00000000	0.00000000
41	-0.00002621	0.00002896	-0.00000927	-0.00003407	-0.00003973	0.00002983	-0.00004959	-0.00004291
42	-0.00003353	0.00003482	0.00002072	-0.00003353	-0.00002852	-0.00002072	-0.00000000	0.00002072
43	-0.00002769	0.00002034	0.00002372	-0.00000737	0.00000373	-0.00002179	0.00002385	0.00001402
44	-0.00000688	0.00000341	0.00000849	0.00000688	0.00001113	0.00000243	0.00000000	-0.00001113
45	-0.00000000	-0.00000000	0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	-0.00000000
46	-0.00000601	0.00000911	0.00000760	-0.00000601	0.00000316	-0.00000213	0.00000000	-0.00000973
47	-0.00001734	0.00001772	0.00001813	0.00000563	0.00001800	0.00001665	-0.00001823	0.00001071
48	-0.00002239	0.00001384	0.00001384	0.00002239	0.00001384	0.00001384	-0.00000000	0.00001384
49	-0.00001528	-0.00000204	-0.00000541	0.00002104	-0.00001180	-0.00001790	0.00002600	-0.00002473
50	-0.00000000	-0.00001819	-0.00002228	0.00000000	-0.00002572	-0.00002228	0.00000000	-0.00000000