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NASA Langley Scientific and Technical Information Output—1997

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Preface

This report contains a listing of the NASA Langley Research Center's publicly available scientific and technical research output for C.Y. 1997.

The intent of this report is to provide a greater awareness of the broad scope of results and the importance of the research and development work conducted by scientists and engineers at Langley. This current awareness is mandated by the National Aeronautics and Space Act of 1958, which provides for the widest practical dissemination of NASA research.

Introduction

The NASA Langley Research Center is one of the Nation’s leading laboratories for research and development in the sciences of aeronautics and space technology. Langley conducts basic and applied research in the areas of Airframe Systems, Aerodynamics, Atmospheric Science, and Structures and Materials.

This document contains a bibliography of Langley’s publicly available scientific and technical research output for 1997 which is processed through the Center’s Information Systems and Services Division, an integral part of NASA’s Agency-wide Scientific and Technical Information (STI) system. The results of Langley’s research are disseminated in a variety of NASA and non-NASA scientific and technical media and information systems. This document is intended to be a reference summary for researchers and a current awareness publication for the scientific, research, and academic community. Details of the availability of the research references in this document are found in the section, “Availability,” on page vii.


The citations are grouped by the Scientific and Technical Aerospace Reports (STAR) subject categories and listed alphabetically by author or innovator. The Langley organization to which the senior author or innovator is assigned and the Research and Technology Objectives and Plans (RTOP) number are noted below citations when appropriate and included in the indexes.

Patents listed are those which were issued in 1997 and owned by Langley Research Center.

Publication of some journal articles was not known at press time for the 1996 issue of this document. These articles are therefore listed in the 1997 issue.
## Availability

<table>
<thead>
<tr>
<th>Category</th>
<th>Source</th>
</tr>
</thead>
</table>
| NASA Reports                     | NASA Center for AeroSpace Information (CASI)  
800 Elkridge Landing Road  
Linthicum Heights, MD 21090-2934  
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| Patents:                         |        |
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National Technical Information Service (NTIS) |
| Printed Copies                   | Commissioner of Patents and Trademarks  
U.S. Patent and Trademark Office  
Washington, DC 20231 |
Contents

Preface ........................................ iii
Introduction .................................... v
Availability .................................... vii

Aeronautics

Category 01 Aeronautics (General) ........................................... 1
Category 02 Aerodynamics ...................................................... 2
Category 03 Air Transportation and Safety ................................... 10
Category 04 Aircraft Communications and Navigation ......................... 12
Category 05 Aircraft Design, Testing and Performance ......................... 12
Category 06 Aircraft Instrumentation .......................................... 17
Category 07 Aircraft Propulsion and Power .................................... 18
Category 08 Aircraft Stability and Control ..................................... 19
Category 09 Research and Support Facilities (Air) ............................... 20

Astronautics

Category 13 Astrodynamics ...................................................... 21
Category 15 Launch Vehicles and Space Vehicles ............................... 22
Category 16 Space Transportation ............................................. 22
Category 17 Space Communications, Spacecraft Communications, Command and Tracking ... 23
Category 18 Spacecraft Design, Testing and Performance ...................... 24

Chemistry and Materials

Category 23 Chemistry and Materials (General) ............................... 27
Category 24 Composite Materials ............................................. 27
Category 25 Inorganic and Physical Chemistry .................................. 35
Category 26 Metallic Materials ............................................... 35
Category 27 Nonmetallic Materials ............................................ 40
Category 28 Propellants and Fuels ............................................ 46
Category 29 Materials Processing ............................................. 46

Engineering

Category 31 Engineering (General) ........................................... 46
Category 32 Communications and Radar ....................................... 47
Category 33 Electronics and Electrical Engineering ............................ 48
Category 34 Fluid Mechanics and Heat Transfer ................................ 50
Category 35 Instrumentation and Photography ................ .58
Category 36 Lasers and Masers ..................................... .60
Category 37 Mechanical Engineering ............................ .61
Category 38 Quality Assurance and Reliability ................ .61
Category 39 Structural Mechanics ............................... .62

Geosciences

Category 43 Earth Resources and Remote Sensing .............. .67
Category 45 Environment Pollution ................................ .68
Category 46 Geophysics ............................................. .69
Category 47 Meteorology and Climatology ..................... .76

Life Sciences

Category 52 Aerospace Medicine ................................... .83

Mathematical and Computer Sciences

Category 59 Mathematical and Computer Sciences (General) .......................... .84
Category 60 Computer Operations and Hardware ................ .85
Category 61 Computer Programming and Software .............. .89
Category 62 Computer Systems ..................................... .90
Category 63 Cybernetics ............................................. .91
Category 64 Numerical Analysis .................................... .91
Category 65 Statistics and Probability ........................... .96
Category 66 Systems Analysis ..................................... .96

Physics

Category 70 Physics (General) .................................... .96
Category 71 Acoustics .............................................. .97
Category 72 Atomic and Molecular Physics ........................ .106
Category 73 Nuclear and High-Energy Physics .................. .107
Category 74 Optics .................................................. .108
Category 76 Solid-State Physics ................................... .108

Social Sciences

Category 81 Administration and Management ..................... 111
Category 82 Documentation and Information Science ........... 111
Space Sciences

Category 92 Solar Physics .......................... 114
Category 93 Space Radiation .......................... 114

General

Category 99 General .......................... 115

Author Index .......................... 117
Organization Index .......................... 133
RTOP Index .......................... 137
Scientific and Technical Publications

Aeronautics

Category 01 Aeronautics (General)

   Organization DS                      RTOP 522-32-21

   Organization DS                      RTOP 522-32-21

   Organization KC                     RTOP 538-08-11

   Organization KC                     RTOP 538-07-22

   Organization DA                     RTOP 242-80-01

   Organization KC                     RTOP 538-08-11

   Organization KC                     RTOP 538-08-11
   Organization KC RTOP 538-08-11

   Organization KC RTOP 538-08-11

   Organization KC RTOP 538-08-11

Category 02 Aerodynamics

   Organization DA RTOP 242-80-01

   Organization DA RTOP 522-21-11

   Organization DF RTOP 522-31-21

   Organization DF RTOP 505-59-53


Organization DA RTOP 522-31-11

Organization DA RTOP 522-25-31

Organization DA RTOP 505-70-62

Organization DF RTOP 522-31-11

Organization DA RTOP 538-05-14

Organization DA RTOP 538-05-14

Organization DA RTOP 505-59-53

Organization DA RTOP 538-05-12

Organization DF RTOP 522-31-11
Organization LA RTOP 522-51-11

Organization LA RTOP 522-51-11

Organization DF RTOP 505-59-50

Organization DF RTOP 522-31-11

Organization DF RTOP 505-59-10

Organization DA RTOP 505-59-50

Organization DF RTOP 522-11-51

Organization DA RTOP 242-20-08


64 Wilhite, A. W.; and Shaw, R. J.: HSCT Research Picks Up Speed. Aerospace America, August 1997, p. 24-29, and 41. Organization I RTOP 537-09-20
Organization DF RTOP 522-31-11

Organization DA RTOP 242-80-01

Organization DA RTOP 522-21-11

Organization DA RTOP 505-59-30

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DS RTOP 505-63-36
Category 03 Air Transportation and Safety

Organization DC RTOP 537-08-24

Organization DC RTOP 538-07-19

Organization DC RTOP 538-07-19

Organization DC RTOP 538-07-19

Organization DC RTOP 538-07-19

Organization A RTOP 282-10-01

Organization A RTOP 282-10-01

Organization DC RTOP 538-04-11

Organization DC


Organization BA


Organization DI


Organization DC


Organization DC


Organization GL


Organization DC


Organization DC

11
Organization DC
RTOP 548-10-11

Organization DC
RTOP 538-04-11

**Category 04 Aircraft Communications and Navigation**

Organization DI
RTOP 522-33-11

Organization DI
RTOP 522-33-11

Organization DF
RTOP 537-07-22

Organization BA
RTOP 538-04-14

**Category 05 Aircraft Design, Testing and Performance**

Organization DS
RTOP 522-32-21
Organization DS RTOP 522-32-21

Organization GK RTOP 505-68-30

Organization DA RTOP 505-59-36

Organization DA RTOP 581-10-11

Organization DA RTOP 581-10-11

Organization DA RTOP 581-10-11

Organization DS RTOP 522-32-21

Organization BA RTOP 537-09-20

Organization DA RTOP 505-59-36


Organization DS RTOP 522-32-21


Organization DS RTOP 505-63-50


Organization DS RTOP 505-63-10


Organization DS RTOP 505-63-50


Organization L RTOP 522-51-61


Organization DM RTOP 538-02-10


Organization DC RTOP 505-68-30
Organization D 
RTOP 505-10-31

Organization DC 
RTOP 505-64-52

Organization DS 
RTOP 505-63-50

Organization DC 
RTOP 505-07-24

Organization DC 
RTOP 522-22-21

Organization DC 
RTOP 522-22-21

Organization DC 
RTOP 522-22-21

Organization DS 
RTOP 505-63-50
Organization DS RTOP 522-32-21

Organization DS RTOP 505-63-36

Organization DS RTOP 581-20-21

Organization BA RTOP 522-41-11

Organization DS RTOP 505-63-36

Organization DS RTOP 505-63-50

Organization DS RTOP 522-22-21

Organization DS RTOP 505-63-50

Organization DS          RTOP 522-32-21


Organization DS          RTOP 522-22-21


Organization DS          RTOP 522-22-21


Organization D          RTOP 509-10-31


Organization BC          RTOP 538-05-13


Organization DS          RTOP 505-63-36

**Category 06 Aircraft Instrumentation**


Organization DC          RTOP 522-14-11


Organization DC          RTOP 522-14-11
Category 07 Aircraft Propulsion and Power

Organization DM RTOP 242-20-07

Organization DA RTOP 522-51-31

Organization DA RTOP 522-51-31

Organization DM RTOP 522-51-31

Organization DA RTOP 522-51-31

Organization DA RTOP 522-51-31

Organization DM RTOP 522-51-31

Organization DA RTOP 522-51-31
Category 08 Aircraft Stability and Control

   Organization DC RTOP 522-14-11

   Organization DC RTOP 505-64-13

   Organization DC RTOP 538-07-11

   Organization DC RTOP 522-25-31

   Organization DC RTOP 538-04-13

   Organization DC RTOP 538-04-13

   Organization DC RTOP 538-07-11

   Organization DC RTOP 505-70-69
Organization DC RTOP 522-33-11

Organization DC RTOP 522-22-21

Organization DC RTOP 522-14-11

Organization DC RTOP 522-33-11

Organization DC RTOP 522-33-11

Organization DC RTOP 522-21-31

Organization DC RTOP 522-21-31

Category 09 Research and Support Facilities (Air)

Organization A

Organization A


Organization DA RTOP 522-51-31


Organization DA RTOP 522-31-51


Organization DC RTOP 537-08-24


Organization DS RTOP 522-22-21


Organization DA


Organization DI RTOP 522-14-21

Astronautics

Category 13 Astrodynamics


Organization CB RTOP 242-20-08
Organization CB RTOP 859-00-00

Category 15 Launch Vehicles and Space Vehicles

Organization CB RTOP 242-20-08

Organization CB RTOP 242-20-08

Organization CB RTOP 906-43-00

Organization CB RTOP 242-33-01

Category 16 Space Transportation

Organization CB RTOP 242-30-33

Organization CB RTOP 242-30-03
Organization M RTOP 297-90-00

Category 17 Space Communications, Spacecraft Communications, Command and Tracking

Organization DI RTOP 505-64-52

Organization DI RTOP 522-24-21

Organization DI RTOP 522-33-11

Organization DI RTOP 522-33-11

Organization DI RTOP 522-33-11

Organization DI RTOP 258-70-21
Organization GK RTOP 236-04-70

Organization GK RTOP 297-50-00

Organization GK RTOP 297-50-00

Organization CB RTOP 260-98-09

Organization CB RTOP 267-10-00

Organization CC RTOP 237-02-22

Organization DC RTOP 233-03-01

Organization DC RTOP 522-33-11
   Organization CB  RTOP 906-43-00

   Organization CB  RTOP 906-43-00

   Organization DC  RTOP 522-33-11

   Organization DC  RTOP 505-64-52

   Organization DC  RTOP 522-33-11

   Organization DC  RTOP 522-33-11

   Organization DC  RTOP 632-10-14

   Organization DC  RTOP 233-10-14
Organization DC RTOP 233-10-14

Organization DC RTOP 233-10-14

Organization DS RTOP 963-89-00

Organization DS RTOP 237-03-33

Organization DS RTOP 237-03-33

Organization CB RTOP 963-89-00

Organization DC RTOP 522-33-11

Organization DS RTOP 632-20-21


Organization DS RTOP 233-10-21

Chemistry and Materials

Category 23 Chemistry and Materials (General)

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Organization GG RTOP 505-63-50


Organization E RTOP 243-50-01


Organization DF RTOP 522-31-21


Organization DM RTOP 505-63-50

Category 24 Composite Materials


Organization DS RTOP 538-10-11


Organization DS RTOP 505-63-50


Organization KC RTOP 538-10-11


Organization DM RTOP 538-02-10


Organization DM RTOP 538-10-11


Organization DS RTOP 233-20-21


Organization DM RTOP 505-63-87


Organization DS


Organization DS


Organization DS


Organization DM RTOP 522-32-11


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Organization DM  RTOP 233-01-01


Organization DM  RTOP 581-01-21


Organization DM  RTOP 581-10-21


Organization DM  RTOP 505-63-50


Organization DM  RTOP 581-10-21


Organization DM  RTOP 537-06-33


Organization DM  RTOP 538-10-11


Organization DM  RTOP 538-02-10
Organization DS RTOP 538-10-11

Organization DS RTOP 505-63-50

Organization DM RTOP 581-10-21

Organization DM RTOP 581-10-21

Organization DM RTOP 538-10-11

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-10

Organization DM


Organization DM


Organization DM


Organization DM


Organization DM


Organization DM


Organization DM


Organization DM


Organization DM

Organization DS RTOP 505-63-36


Organization DM RTOP 242-03-30


Organization DM RTOP 242-33-01


Organization DM RTOP 581-10-21


Organization DM RTOP 538-10-11


Organization DM


Organization DS RTOP 510-02-12


Organization DS RTOP 538-10-11


Organization DM RTOP 538-02-10
Organization DM 	RTOP 538-10-11

Organization DS 	RTOP 233-20-21

Organization DM 	RTOP 537-06-33

Organization DM 	RTOP 505-63-50

Organization DM 	RTOP 538-02-10

Category 25 Inorganic and Physical Chemistry

Organization GK

Organization DS 	RTOP 505-70-63

Category 26 Metallic Materials

Organization DM 	RTOP 522-12-11
Organization DM RTOP 522-12-11

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-10

Organization DM RTOP 538-02-10

Organization DM RTOP 260-30-15

Organization DM RTOP 538-02-10

Organization DM RTOP 522-12-11

Organization DM RTOP 505-63-50

36

Organization DM, RTOP 522-12-11


Organization DM, RTOP 242-50-02


Organization DM, RTOP 538-02-10


Organization DM, RTOP 538-02-10


Organization DM, RTOP 538-02-10


Organization DM, RTOP 538-02-11


Organization DM, RTOP 538-02-11


Organization DM, RTOP 538-02-10


Organization DM, RTOP 538-02-10


Organization DM


Organization DM RTOP 242-30-05


Organization DM RTOP 538-02-10


Organization DM RTOP 537-06-31


Organization DM RTOP 538-10-11


Organization DM


Organization DM RTOP 538-02-11


Organization DM RTOP 538-02-11
Category 27 Nonmetallic Materials


Organization DM  
RTOP 233-40-41


Organization DM  
RTOP 505-63-50


Organization DS  
RTOP 242-20-02


Organization DM  
RTOP 522-24-11


Organization DM  
RTOP 522-24-11


Organization DM  
RTOP 505-63-50


Organization DM


Organization DM  
RTOP 505-63-50


Organization DM  
RTOP 233-10-14


Organization DS RTOP 242-33-01

Organization DM RTOP 506-63-50

Organization DM

Organization DM RTOP 505-63-50

Organization DM

Organization DM RTOP 505-63-50

Organization DM

Organization DM RTOP 505-63-50

Organization DM RTOP 505-63-50

Organization DM RTOP 505-63-50

Organization DM


Organization DM


Organization DM


Organization DM


Organization DS


Organization DM


Organization DM


Organization DM

Organization DM


Organization DM


Organization DM


Organization DM


Organization DS


Organization DM


Organization DM


Organization DM

Organization DM RTOP 233-02-03


Organization DM RTOP 522-24-11


Organization DM RTOP 522-24-11


Organization DM RTOP 522-24-11


Organization DM RTOP 233-10-14


Organization DM


Organization DM


Organization DM
Organization DM

Organization DM

Category 28 Propellants and Fuels

Organization DA

Category 29 Materials Processing

Organization DI

Engineering

Category 31 Engineering (General)

Organization DI

Organization DI

Organization DI

46
Organization DI RTOP 538-01-14

Organization DC RTOP 522-24-21

Organization DC RTOP 505-64-70

Organization DI RTOP 233-03-03

Category 32 Communications and Radar

Organization DI RTOP 505-64-52

Organization BA RTOP 522-24-21

Organization GL RTOP 538-04-11

Organization DI RTOP 548-10-41
Organization DI RTOP 522-33-11

Organization DI RTOP 522-11-41

Organization DI RTOP 522-33-11

Organization DI RTOP 522-33-11

Organization BA RTOP 522-24-21

Organization GL RTOP 522-14-31

Category 33 Electronics and Electrical Engineering

Organization DI RTOP 522-11-41

Organization DI RTOP 522-11-41

48

Organization DI RTOP 522-24-21


Organization DI RTOP 522-24-21


Organization DI


Organization DI RTOP 538-04-11


Organization DI RTOP 538-04-11


Organization DI RTOP 522-14-21


Organization DI RTOP 274-00-97


Organization DI RTOP 258-70-21
<table>
<thead>
<tr>
<th>No.</th>
<th>Author(s)</th>
<th>Title</th>
<th>Details</th>
</tr>
</thead>
</table>

Organization A RTOP 282-10-01


Organization DS

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DF RTOP 522-31-41

Organization DF RTOP 522-11-51

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization GH  
RTOP 505-59-54

ftp://ftp.icase.edu/pub/techreports/97/97-54.ps

Organization A  
RTOP 505-90-52

ftp://ftp.icase.edu/pub/techreports/97/97-42.ps

Organization A  
RTOP 505-90-52


Organization A  
RTOP 505-90-52


Organization DA  
RTOP 242-80-01


Organization DA  
RTOP 242-80-01


Organization DA  
RTOP 242-20-08


Organization A RTOP 505-90-52

Organization DF RTOP 522-31-81

Organization DF RTOP 522-31-11

Organization DF RTOP 522-31-61

Organization DF RTOP 538-05-15

Organization GK RTOP 225-12-02

Organization A RTOP 282-10-01

Organization DA RTOP 242-80-01
Organization GM

Organization DA RTOP 522-51-31

Organization DA RTOP 522-51-31

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization DA RTOP 242-80-01

Organization CA RTOP 665-25-30

Organization DF RTOP 522-31-61

Organization CA  RTOP 464-51-01


Organization DA  RTOP 242-80-01


ftp://ftp.icase.edu/pub/techreports/97/97-44.ps

Organization A  RTOP 505-90-52


Organization A  RTOP 505-90-52


Organization A  RTOP 505-90-52


ftp://ftp.icase.edu/pub/techreports/97/97-63.ps

Organization A  RTOP 505-90-52


Organization A  RTOP 505-90-52


Organization DF  RTOP 505-59-50
Organization DF RTOP 505-59-50

Organization DF RTOP 522-51-31

Organization A RTOP 505-90-52

Organization DF RTOP 505-59-50

Organization DA RTOP 242-80-01

Organization DF RTOP 522-31-11

ftp://ftp.icase.edu/pub/techreports/97/97-1.ps 
Organization A RTOP 505-90-52

Organization DA RTOP 242-80-01
Organization A RTOP 505-90-52

Organization DF RTOP 522-31-21

Organization A RTOP 505-90-52

Category 35 Instrumentation and Photography

Organization GH RTOP 519-20-21

Organization GH RTOP 519-20-21

Organization CB RTOP 274-00-97

Organization GL RTOP 227-92-43

Organization GH RTOP 519-20-21

Organization DI RTOP 233-20-24


Organization GH RTOP 519-20-21


Organization GH RTOP 519-20-21


Organization GH RTOP 233-10-14


Organization DI RTOP 258-70-21


Organization DF RTOP 538-03-13


Organization GH RTOP 274-00-96


Organization GH RTOP 519-20-21
Category 36 Lasers and Masers

Organization DF RTOP 538-03-12

Organization DF RTOP 538-03-12

Organization DF RTOP 538-03-12

Organization DF RTOP 538-03-12

Organization DF RTOP 538-03-12

Organization DF RTOP 538-03-12

Organization DM RTOP 632-10-14

Organization DI RTOP 274-00-96

Organization GL RTOP 258-70-21

Organization DF


Organization GM


Organization GL

Category 37 Mechanical Engineering


Organization GH


Organization CA


Organization DS


Organization DS

Category 38 Quality Assurance and Reliability


Organization GK
Organization DA RTOP 242-80-01

Organization E

Organization DM

**Category 39 Structural Mechanics**

Organization DS RTOP 505-63-53

Organization DC RTOP 233-10-14

Organization DS RTOP 537-06-21

Organization DS RTOP 505-63-50

Organization DM RTOP 323-78-01
Organization DS RTOP 237-03-02

Organization DS RTOP 237-08-02

Organization DS RTOP 522-31-21

Organization DS RTOP 505-63-50

Organization DS RTOP 538-10-11

Organization DS RTOP 233-10-14

Organization DS RTOP 632-20-21

Organization DS RTOP 632-20-21


Organization D RTOP 522-31-21

Organization DS RTOP 522-32-41


Organization DS RTOP 632-10-14


Organization DS RTOP 522-11-41

Organization DM RTOP 538-02-10

Organization DS RTOP 505-63-53


Organization DS RTOP 537-06-34

Organization DS RTOP 538-10-11


Geosciences

Category 43 Earth Resources and Remote Sensing


Organization GL RTOP 464-12-03


Organization AE RTOP 282-10-08


Organization GL RTOP 464-54-07

Category 45 Environment Pollution


Organization CA RTOP 537-09-23


Organization CA RTOP 537-09-23


Organization CA RTOP 464-54-11


Organization CA RTOP 622-63-08


Organization CA RTOP 622-63-02
Organization CA  RTOP 622-63-13

Organization CA  RTOP 537-09-23

### Category 46 Geophysics

Organization CA  RTOP 146-90-04

Organization CA  RTOP 665-25-06

Organization CA  RTOP 665-25-31

Organization CA  RTOP 229-10-32

Organization CA  RTOP 370-21-08

Organization CA  RTOP 370-21-08


Organization CA RTOP 665-45-20


Organization CA RTOP 665-25-31


Organization CA RTOP 344-16-50


Organization CA RTOP 579-21-51


Organization CA RTOP 579-21-17


Organization CA RTOP 665-25-31


Organization CA RTOP 665-45-20


Organization CA RTOP 665-25-31

73


Organization CA RTOP 665-45-20

Organization CA RTOP 665-45-20

Organization CA RTOP 665-45-20

Organization CA RTOP 665-45-20

Organization CA RTOP 665-45-20

Organization CA RTOP 229-02-06

Organization CA RTOP 665-45-20

Organization CA RTOP 665-45-20

75
Category 47 Meteorology and Climatology


Organization CA 
RTOP 148-65-41

Organization CA 
RTOP 148-65-41

Organization CA 
RTOP 148-65-41

Organization CA 
RTOP 148-65-41

Organization CA 
RTOP 229-01-02

Organization CA 
RTOP 578-12-25

Organization CA 
RTOP 578-12-25

Organization CA 
RTOP 665-45-20
Organization DM
RTOP 505-63-50

Organization CA
RTOP 148-65-41

Organization CA
RTOP 146-90-04

Organization CA
RTOP 148-65-41

Organization CA
RTOP 428-82-00

Organization CA
RTOP 578-12-70

Organization CA
RTOP 148-65-41

Organization CA
RTOP 148-65-41


Organization CA RTOP 146-90-04


Organization CA RTOP 229-01-02


Organization CA RTOP 460-44-41


Organization CA RTOP 538-08-12


Organization CA RTOP 146-90-04


Organization CA RTOP 146-90-04


Organization CA RTOP 538-08-12


Organization CA RTOP 148-65-41

Organization CA
RTOP 148-65-41


Organization CA
RTOP 578-12-25


Organization CA
RTOP 578-12-25


Organization CA
RTOP 148-65-41


Organization CA
RTOP 229-01-02


Organization CA
RTOP 146-90-04


Organization CA
RTOP 146-90-04


Organization CA
RTOP 460-44-41
Organization CA RTOP 460-44-41

Organization CA RTOP 148-65-41

Organization CA RTOP 428-82-00

Organization CA RTOP 148-65-41

Organization CA RTOP 148-65-41

Organization CA RTOP 148-65-41

Organization CA RTOP 148-65-41

Organization CA RTOP 538-08-12

Organization CA RTOP 538-08-12
Organization DC RTOP 538-04-11

Life Sciences

Category 52 Aerospace Medicine

Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16

Organization DM RTOP 199-45-16

Organization DM

Organization DM


Organization DM


Organization DM


Organization DM

Mathematical and Computer Sciences

Category 59 Mathematical and Computer Sciences (General)


Organization A


Organization A


Organization A


Organization GL
http://shemesh.larc.nasa.gov/Lfm97/proceedings/
Organization DI RTOP 522-33-11

Organization DF RTOP 505-63-36

Organization DF RTOP 538-03-14

Organization DF RTOP 538-03-14

Category 60 Computer Operations and Hardware

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52
ftp://ftp.icase.edu/pub/techreports/97/97-70.ps
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

ftp://ftp.icase.edu/pub/techreports/97/97-72
Organization A RTOP 505-90-52
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization DI RTOP 522-14-21

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52
Organization A RTOP 505-90-52

Category 61 Computer Programming and Software

Organization DI RTOP 505-64-50

Organization GM

Organization DI RTOP 522-33-11

Organization GM

Organization DI RTOP 519-50-11

Organization DF RTOP 509-10-11
Category 62 Computer Systems

Organization DI RTOP 522-14-21

Organization DI RTOP 538-01-14

Organization DI RTOP 519-30-31

Organization DI RTOP 522-14-21

Organization D RTOP 522-32-11

Organization D RTOP 522-32-11

Organization DI RTOP 519-30-31

Organization GL RTOP 258-70-21
Category 63 Cybernetics

Organization DC RTOP 274-00-97

Organization DC RTOP 505-64-52

Organization DC RTOP 522-33-11

Organization DC RTOP 505-64-52

Organization DI RTOP 274-00-96

Category 64 Numerical Analysis

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52
ftp://ftp.icase.edu/pub/techreports/97/97-57.ps
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

ftp://ftp.icase.edu/pub/techreports/97/97-56.ps
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

ftp://ftp.icase.edu/pub/techreports/97/97-60.ps
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52
Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52


Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization A RTOP 505-90-52

Organization DA RTOP 242-80-01
Category 65 Statistics and Probability

Organization CB RTOP 906-43-00

Organization CB RTOP 906-43-00

Category 66 Systems Analysis

Organization CB RTOP 242-80-01

Physics

Category 70 Physics (General)

Organization DM RTOP 538-02-11

Organization DM RTOP 538-02-11

Organization DM RTOP 538-10-11

Organization DM RTOP 538-02-11

96
Organization DM  RTOP 538-02-11

Organization DM  RTOP 538-02-11

Category 71 Acoustics

Organization DF  RTOP 538-03-12

Organization DF  RTOP 538-03-12

Organization DF  RTOP 505-59-53

Organization DF  RTOP 505-59-53

Organization DF  RTOP 538-03-12

Organization DF  RTOP 505-63-50


Organization DF RTOP 522-32-21

Organization DF RTOP 538-03-12

Organization DM

Organization DM

Organization DF RTOP 581-20-31

Organization DF RTOP 505-59-52

Organization DF RTOP 533-31-21

Organization DF RTOP 538-03-12

Organization DF RTOP 538-03-14


Organization DF


Organization DF


Organization DM


Organization DF


Organization KC


Organization DF


Organization DF


Organization DF


Organization GH
Organization DF RTOP 538-03-12

Organization DF RTOP 538-03-12

Organization DF RTOP 581-20-31

Organization DF RTOP 538-07-15

Organization DF RTOP 538-03-14

Organization DF RTOP 538-03-14

Organization DF RTOP 505-63-50

Organization DF RTOP 505-63-50
Organization DF  RTOP 505-59-52

Organization DF  RTOP 505-59-53

Organization DF  RTOP 505-63-36

Organization DF  RTOP 537-06-22

Organization DF  RTOP 538-03-13

Organization DF  RTOP 538-03-14

Organization DF  RTOP 538-03-15

Organization DF  RTOP 537-05-21
Organization DF RTOP 538-03-14

Organization DF RTOP 242-03-30

Organization DF RTOP 537-06-37

Organization DF RTOP 505-59-53

Organization DF RTOP 581-20-31

Organization DF RTOP 522-11-21

Organization DF RTOP 505-59-52

Organization DF RTOP 522-11-21

Organization DF RTOP 538-03-14


Category 72 Atomic and Molecular Physics

Organization DF RTOP 522-31-11

Organization CA RTOP 622-67-65

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Organization CA RTOP 622-67-65

Organization CA RTOP 622-67-65

Organization CA RTOP 464-23-08

Organization CA RTOP 622-67-65

Organization DF

RTOP 505-70-59

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Organization DF

RTOP 519-20-21


Organization CA

RTOP 622-67-65


Organization CA

RTOP 464-23-08


Organization CA

RTOP 622-67-65


Organization DM

RTOP 199-45-16

Category 73 Nuclear and High-Energy Physics


Organization DM

RTOP 537-09-21


Organization DM

RTOP 199-45-16
Category 74 Optics

Organization GL RTOP 297-50-00

Organization DF RTOP 505-59-54

Category 76 Solid-State Physics

Organization GL RTOP 548-10-31

Organization GL RTOP 548-10-31

Organization GL RTOP 258-70-21

Organization GL RTOP 233-20-21

Organization GL RTOP 258-70-21

Organization GL RTOP 233-20-21

Organization GL


Organization GL


Organization GL


Organization GL


Organization GL


Organization GL


Organization GL


Organization GL


Organization DM
RTOP 632-20-21

Organization DM
RTOP 233-01-01

Social Sciences

Category 81 Administration and Management

Organization CB
RTOP 963-89-00

Organization CB
RTOP 963-89-00

Organization E
RTOP 243-10-01

Category 82 Documentation and Information Science

Organization GM

Organization AE RTOP 505-90


Organization AE RTOP 505-90


Organization AE RTOP 505-90


Organization GM


Organization GM

Organization GM

Organization AE RTOP 505-90

Organization AE RTOP 505-90

Organization AE RTOP 505-90

Organization AE RTOP 505-90

Organization AE RTOP 505-90

Organization AE RTOP 505-90
Organization GM

Organization AE

Space Sciences

Category 92 Solar Physics

Organization DM

Category 93 Space Radiation

Organization DM

Organization DM

Organization DM


### Author Index

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abel, I.: 1, 2, 94, 95</td>
<td>Bacmeister, J. T.: 591</td>
</tr>
<tr>
<td>Ahuja, K. K.: 765, 766</td>
<td>Baker, D. J.: 262</td>
</tr>
<tr>
<td>Akimoto, H.: 546</td>
<td>Bakos, R. J.: 160</td>
</tr>
<tr>
<td>Alberta, T. L.: 604, 616, 621</td>
<td>Balachandar, S.: 413</td>
</tr>
<tr>
<td>Alexandrov, N.: 41, 42, 725</td>
<td>Ballard, R. E.: 668, 800</td>
</tr>
<tr>
<td>Allan, B. G.: 726</td>
<td>Banerjee, N. S.: 731</td>
</tr>
<tr>
<td>Alter, S. J.: 11, 396</td>
<td>Bar-Cohen, Y.: 313</td>
</tr>
<tr>
<td>Ambur, M. Y.: 886</td>
<td>Barker, H. W.: 605</td>
</tr>
<tr>
<td>Anderson, B. E.: 542, 543, 548</td>
<td>Bartels, R. E.: 16</td>
</tr>
<tr>
<td>Anderson, J.: 602</td>
<td>Baty, R. S.: 769</td>
</tr>
<tr>
<td>Aneja, V. P.: 549, 578</td>
<td>Baugher, A. H.: 314</td>
</tr>
<tr>
<td>Anon.: 73, 74, 75, 76, 672, 673, 855</td>
<td>Baughman, J. A.: 158, 159</td>
</tr>
<tr>
<td>Antill, C. W.: 486</td>
<td>Bavykina, I.: 100</td>
</tr>
<tr>
<td>Arbuckle, P. D.: 143</td>
<td>Beck, F. B.: 175, 383, 386</td>
</tr>
<tr>
<td>Atkins, H. L.: 208, 767, 768</td>
<td>Belvin, H. L.: 332</td>
</tr>
<tr>
<td>Atkinson, R. J.: 579</td>
<td>Bement, L. J.: 96, 182, 183, 276, 491</td>
</tr>
<tr>
<td>Aurovillian, A.: 730</td>
<td>Bendler, R. J.: 546</td>
</tr>
</tbody>
</table>
Benner, D. C.: 841, 842, 843, 844, 845, 846, 850, 851
Benson, S. V.: 485
Benton, E. V.: 909
Beran, P. S.: 125
Berry, J. D.: 97, 98, 99, 100, 103
Berry, S. A.: 17, 399, 400, 401, 405, 406, 433
Berry, V.: 262
Bertelrud, A.: 57
Bertin, J. J.: 401
Bertoglio, J-P.: 398
Bess, T. D.: 609, 610
Bettschart, N.: 98, 99
Bhatt, P. P.: 550, 567
Bianco, D. J.: 890
Bibb, K. L.: 18
Bichsel, H.: 852
Biedron, R. T.: 56
Bingham, J. G.: 186
Bird, R. K.: 278, 279
Bishop, A. P.: 898
Blackburn, C. L.: 495
Blackshire, J. L.: 475, 476, 477, 478, 479, 480
Blaisdell, G. A.: 447
Blake, D. R.: 545
Blanchard, A. E.: 19
Blanchard, R. C.: 20, 492
Blatherwick, R. D.: 590
Blosser, M. L.: 315
Blotter, J. D.: 484
Bodine, J. B.: 269
Bogan, S.: 215
Boggess, R. K.: 316, 352
Bokhari, S. H.: 681
Bonhaus, D. L.: 13
Boone, M. L.: 289
Boston, H. G.: 317
Boughner, R. E.: 555
Bouslog, S. A.: 17, 401
Bowers, A. H.: 456
Boyd, I. D.: 423
Brackett, V. G.: 534, 550
Bradshaw, J. D.: 544
Brandon, J. M.: 88, 144, 151, 152
Brauckmann, G. J.: 17, 49
Braun, R. D.: 48, 166, 168, 172, 173, 758
Brennan, M. C.: 101
Brentner, K. S.: 771, 772, 773, 774, 775, 776, 777, 785, 786, 789
Brewer, W. D.: 278, 279
Briere, J. T.: 784
Briegleb: 443
Brinberg, H. R.: 888
Brinson, L. C.: 230
Britt, C. L.: 85
Brockman, P.: 857, 871
Brooks, T. F.: 816, 838
Browell, E. V.: 544
Brown, M. C.: 822
Bruce, R. A.: 206
Bruhl, C.: 551
Buchholz, P.: 682
Buchman, A.: 321
Buckley, J. D.: 321
Buckley, L. J.: 330
Bullock, A. M.: 552
Bullock, K. T.: 488
Buning, P. G.: 21
Bunkett, C. G., Jr.: 469, 487
Burley, C. L.: 804, 812
Burn, M.: 3
Burner, A. W.: 462, 463, 466, 474
Burnham, D.: 858
Burns, J. A.: 732
Burnside, W. D.: 389
Bush, H. G.: 353, 504
Bush, L. B.: 885
Bushnell, D. M.: 77, 78, 402, 403
Buttrill, C. W.: 144

C

Cahoon, D. R., Jr.: 575, 576
Cai, Z.: 694
Calkins, F. T.: 733
Callis, L. B., Jr.: 553, 554, 555
Camarda, C. J.: 404
Campbell, C. H.: 405, 406, 433
Campbell, R. E.: 859
Campbell, R. L.: 31
Campbell, S. D.: 79
Campbell, T. G.: 387
Cano, R. J.: 322
Cantrell, J. H., Jr.: 667, 668, 671, 778, 779, 800, 837
Caplan, M. L.: 356, 363
Caram, J. M.: 17, 401, 405, 406
Carey, J.: 3
Carli, B.: 539
Carlson, A. B.: 609, 611
Carlson, H. W.: 102
Carlson, J. R.: 22, 23
Carpenter, B. D.: 80
Carpenter, M. H.: 38, 452
Carzoo, S. W.: 110
Cassidy, P. E.: 317, 350
Castillo, V. K.: 867
Castrogiovanni, A.: 160
Cebe, P.: 351
Chadwick, K.: 407
Chaffin, M. S.: 100, 103
Chambers, L. H.: 612, 613, 614, 615
Chan, K. R.: 548
Chang, A. C.: 323, 342, 343
Chang, C. K.: 669
Chang, H.-C.: 734
Chapman, B.: 683
Chapman, J. J.: 533
Charlock, T. P.: 604, 616, 617, 645, 646
Cheatwood, F. M.: 48, 49, 167, 172, 444, 458
Chen, F.-J.: 24
Childers, B. A.: 915
Chin, D. K.: 81
Chiou, E.-W.: 556
Chiueh, T.-C.: 684
Choi, S. H.: 135, 481
Chokani, N.: 27, 45
Chow, P. L.: 780
Chu, H.: 522
Chu, J.: 102
Chu, W. P.: 552, 556, 557
Chuang, C. W.: 389
Ciardo, G.: 682, 685, 686, 687
Clark, L. R.: 781, 834, 835
Clark, R. L.: 496
Claude, H.: 551
Clendenin, C. G.: 304
Cler, D. L.: 25
Coats, T. W.: 216
Cockburn, B.: 735, 736
Cockrell, C. E., Jr.: 26
Cockrell, C. R.: 175, 383, 386
Cofer, W. R., III: 542, 543, 575, 576
Cole, S. R.: 104
Coleman, L. H.: 617, 618
Collins, J. E., Jr.: 548
Collins, S. S.: 408
Connell, J. W.: 324, 325, 326, 327, 334, 355, 782, 783
Conner, D. A.: 784, 827
Connors, V. S.: 558
Considine, G. D.: 559, 560, 561
Conway, E. J.: 481
Cook, A. L.: 482
Cook, G. M.: 497
Cooper, B. A.: 384
Cooper, J. B.: 328
Costen, R. C.: 329, 619
Costulis, J. A.: 860
Cox, B. N.: 217
Cox, D. E.: 187, 193, 496
Cox, J. S.: 785, 786
Cramer, K. E.: 759, 760, 764
Cravey, R. L.: 82, 91, 176, 376, 388
Crawford, J. L.: 53, 108
Credeur, L.: 83
Crockett, T. W.: 681, 699
Crookston, J. R.: 186
Crutzen, P. J.: 551, 568, 584
Curry, J. A.: 560, 561
Curry, T. J.: 151
Cutler, A. D.: 141
Cvitkovich, M. K.: 218, 219
Czech, J.: 3

D

Dambach, M. L.: 489, 490
Dasey, T. J.: 79
Dash, S. M.: 830
Daugherty, R. H.: 105
Dausch, D. E.: 881
Davidson, M. R.: 297
Davidson, P. C.: 485
Davies, C. B.: 433
Davila, C. G.: 212, 532
Davis, D. D., Jr.: 546
Davis, J. G., Jr.: 220
Davis, P. A.: 106
Davis, R. E.: 483
Davis, W. T.: 171
Dawicke, D. S.: 280, 281, 282, 283, 289, 290, 291
De Young, R. J.: 488, 562, 563
DeCoursey, R. J.: 603
Debnam, W. J., Jr.: 368
Del Rosario, R. C.: 737, 738
Delany, A. C.: 564
Demuren, A. O.: 457
Deng, X.: 221
Dennis, J. E., Jr.: 725
Desai, P. N.: 166, 167
Deshler, T.: 581, 593
Deshpande, M. D.: 177, 178, 179, 376, 380, 381, 382, 383, 386
Devezeaux, D.: 439
Devi, V. M.: 841, 842, 843, 844, 845, 846, 850, 851
Dexter, H. B.: 222, 261
Dharamsi, A. N.: 552
DiFulvio, M.: 405
DiPasquale, R. C.: 620
Dibb, J. E.: 544
Dicello, J. F.: 662, 664, 665
Dodds, R. H., Jr.: 295
Doelling, D. R.: 621, 635, 636, 658
Doggett, G. P.: 27
Domack, M. S.: 298
Dominik, C. J.: 46
Donald, J. K.: 284
Donatelli, S.: 682
Dopker, B.: 269
Dougherty, R. P.: 781
Dow, M. B.: 222
Drayson, S. R.: 551
Drummond, J. P.: 44, 136, 137, 142, 452
Dubey, R. R.: 906, 914
Duck, P. W.: 409
Dudley, K. L.: 393
Duerksen, N.: 145
Dunn, H. J.: 41, 42
Dunn, M. H.: 787
Durham, M. H.: 126, 127
Dutson, J. D.: 186
Dyer, J.: 223, 272
Dyer, J. E.: 288
Eashoo, M.: 330
Ebeling, C. E.: 171
Eck, T. F.: 547
Edahl, R. A.: 285
Edginton, J. M.: 698
Edwards, B. D.: 784
Edwards, J. W.: 16, 107
Edwards, T.: 142
Edwards, W. C.: 859
Eklund, D. R.: 138
Elber, W.: 224
Eldred, C. H.: 169
Ellis, K. S.: 562
Engelund, W. C.: 51, 166
Erdos, J. I.: 160
Erlebacher, G.: 37
Ertur, E.: 859, 865
Esler, S. L.: 892, 894
Espe, M.: 314
Espry, P. J.: 582
Eure, K. W.: 788
Evans, D. S.: 554
Evans, K. F.: 539, 612, 613, 614
Everett, R. A., Jr.: 224
Ewing, J. J.: 872
F
Fairlie, T. D.: 565, 569, 584
Farassat, F.: 769, 775, 781, 789, 790, 834, 835
Farley, G. L.: 225, 226, 227
Farokhi, S.: 25
Fay, C. C.: 362
Fears, S. P.: 110
Feldl, E. K.: 627, 647
Fenno, C. C., Jr.: 410, 791, 792
Ferebee, M. J., Jr.: 184, 185
Ferney, B. D.: 186
Ferney, G. D.: 186
Fichter, W. B.: 498
Fidell, S.: 821
Fields, J. M.: 793
Filer, E. D.: 864
Finley, T. D.: 474
Fisher, B. D.: 84
Fishman, J.: 443, 534, 537
Fitch, J. W.: 317, 350
Flanagan, G.: 217
Flatau, A. B.: 733
Fleming, G. A.: 484
Flug, B. T.: 618
Folkman, S. L.: 186
Follett, W. W.: 41, 42
Fox, R. L.: 421
Fralick, D. T.: 90, 91, 180
Franke, J. M.: 164
Freehart, R. E.: 79
Freeman, D. C., Jr.: 108
Freeman, G. L.: 207
Fremaux, C. M.: 47, 146
Frendi, A.: 794, 795
Friedman, A. D.: 213, 214
Fripp, A. L., Jr.: 368
Fuchs, H.: 692
Fuller, C. R.: 797
Fulton, J. P.: 293, 304, 305, 310
Fung, J.: 509

G
Gaeta, R. J., Jr.: 765, 766
Gandrud, B.: 548
Gangloff, R. P.: 209
Garber, D. P.: 636, 642
Garbos, R.: 915
Gardner, J. E.: 207
Garg, D. P.: 204
Garn, M. A.: 170
Garrison, J. L., Jr.: 464, 535, 756, 757
Gartenberg, E.: 411, 418
Gary, B. L.: 548
Gatlin, G. M.: 28
Gatski, T. B.: 57, 427, 428, 429, 434, 454
Gawronski, W. K.: 112
Geels, T. J.: 93
Geer, J. F.: 731
Gell, D.: 205, 529
Generazio, E. R.: 499
George, J.: 423
Gerhold, C. H.: 781, 796, 816, 834, 835
Gerndandt, H.: 551
Gibbs, G. P.: 797
Gibson, G. G.: 657, 658
Gierow, P. A.: 347
Giesy, D. P.: 194, 197
Gilbert, M. G.: 500, 501
Gile-Laflin, B. E.: 29
Gilinsky, M. M.: 829
Gilreath, M. C.: 389
Girimaji, S. S.: 412, 413, 414, 674
Giuliano, V. J.: 12, 67
Glaessgen, E. H.: 266
Glass, C. E.: 415
Glass, D. E.: 232, 277, 331, 419
Glassman, M.: 887
Gleason, J. R.: 321
Gloss, K.: 509
Gmelin, B.: 838
Gnoffo, P. A.: 44, 416, 455
Goetz, J. M.: 314
Goldberg, J. H.: 81
Goldman, A.: 590
Goldthorpe, S. H.: 147, 148
Golich, V. L.: 889, 900
Good, D. H.: 10
Goodhead, D. T.: 663
Goodrich, K. H.: 149
Gordley, L. L.: 566, 567, 588
Gottlieb, G. L.: 890
Gottlieb, D. I.: 734
Grant, M. S.: 675
Grant, W. B.: 547
Green, B. E.: 30, 31
Green, L. L.: 63
Green, R. N.: 607, 610, 617, 622, 658
Greene, F. A.: 48, 49, 455
Greene, G. C.: 88
Gregory, G. L.: 542, 543, 544, 545
Grenoble, R. W.: 332, 344
Griffith, D. W.: 590
Groom, N. J.: 373, 374
Grooss, J. U.: 568, 584
Grosch, C. E.: 693
Grose, W. L.: 565, 568, 569, 584
Guattery, S.: 688, 739
Gunzburger, M. D.: 37
Gupta, I. J.: 389
Gupta, R. N.: 417
Gupta, S.: 196, 618
Gupta, S. K.: 623, 656
Gurdal, Z.: 519

H

Hadid, A. H.: 41, 42
Haering, E. A., Jr.: 456
Hafley, R. A.: 287
Hahne, D. E.: 150
Haimovitch, Y.: 418
Haines, M.: 683, 689
Halama, G. E.: 465, 562
Hales, S. J.: 287
Haley, P. J.: 720, 724
Hall, I. K.: 288
Hall, S. G.: 6
Hamilton, H. H., II: 416, 455
Hammond, D. P.: 707
Hamner, M.: 52, 161
Han, J.: 87
Hannemann, K.: 5
Hansen, J.: 624
Hansen, M. G.: 349
Hardin, J. C.: 798, 799, 833
Hardy, R. C.: 881
Hargens, A. R.: 668, 800
Harmon, D.: 231
Harris, C. E.: 109, 216, 233, 253
Harrison, E. F.: 657
Hart, R. C.: 847
Hartley, P. J.: 306
Harvey, J. K.: 423
Hass, D. D.: 419
Hassan, H. A.: 440
Havens, S. J.: 333
Hawkins, R.: 50
Hayder, M. E.: 208, 420, 690
Hayhurst, K. J.: 676
Hays, P. B.: 589

Hazlewood, R. N.: 25
Hear, C. P.: 390
Heck, M. L.: 170
Heck, P. W.: 638, 640, 642
Heinrichs, R. M.: 79
Hellbaum, R. F.: 421
Helm, J. D.: 289, 290, 302
Helmetz, C. L.: 891
Hemm, R. V.: 7
Hendricks, H. D.: 482
Hergenrother, P. M.: 324, 325, 326, 327, 333, 334, 335, 355, 782, 783
Herman, G. S.: 570
Herring, G. C.: 847, 856
Hesthaven, J. S.: 422, 740
Heyman, J. S.: 493
Hillard, M. E., Jr.: 856
Hinders, M. K.: 213, 214
Hinkley, J. A.: 228, 234, 265, 336, 337
Hinton, D. A.: 86, 87
Hinton, P. O.: 622
Hinatsu, E.: 585
Hoadley, S. T.: 126, 127
Hodge, J. S.: 139
Hoell, J. M., Jr.: 546
Hoffler, K. D.: 110
Holben, B. N.: 547
Holden, M. S.: 407, 423, 439
Holland, P. C.: 776
Holloway, C. M.: 676, 708
Holmes, B. J.: 4
Holmes, C.: 491
Holt, H. M.: 713
Holt, M.: 726
Horn, K. W.: 377, 384
Hooker, J. R.: 466
Hooker, M. W.: 873, 882
Horonjeff, R. D.: 801
Horta, L. G.: 510
Horton, G.: 741
Horvath, T. J.: 5, 399, 405, 406, 423, 424, 433, 439, 440
Houser, S. A.: 6
Housner, J. M.: 502
Howard, T. P.: 883, 884
Howe, R. R.: 821
Howell, C. T., III: 464
Hsiao, M-H.: 187
Hu, F. Q.: 420
Hu, Y.: 625
Huai, X.: 32, 425
Huang, J-K.: 187
Huebner, L. D.: 139
Humphreys, W. M., Jr.: 816
Hunt, J. L.: 33, 34
Hunter, W. W., Jr.: 816
Hussaini, M. Y.: 37, 409, 420
Hutcheson, R. L.: 865, 868, 874
Huttsell, L. J.: 125

I
Inman, D. J.: 701
 Interrante, V.: 691, 692, 693
Ivanov, M.: 439

J
Jackson, K. E.: 236, 503
Jacobs, J. A.: 207
Jager, H.: 580
Jagha, A. J.: 469
Jalink, A., Jr.: 421
Jambor, B.: 915
James, G. H., III: 199, 518
James, M. A.: 253, 291
Jameson, A.: 426
Jameson, L.: 740
Jani, M. G.: 866, 874, 875, 876
Jansen, B. J.: 830
Jarnot, R.: 529
Jaunky, N.: 235
Javeed, M. A.: 202
Jegley, D. C.: 504
Jobson, D. J.: 467, 471
Joffe, B.: 313
Johnson, A. F.: 236
Johnson, A. R.: 113, 489, 490
Johnson, J. P.: 10
Johnson, S. D.: 714
Johnston, P. H.: 242, 764
Johnston, W.: 229, 286
Jones, F. P.: 802
Jones, H. E.: 803, 804
Jones, J. E.: 694, 695
Jones, K. M.: 29
Jones, M. G.: 805
Jones, N. B.: 590
Jones, R. L., III: 483
Jones, S. M.: 375
Jones, T. D.: 669, 914
Jongen, T.: 427, 428, 429
Joppa, P. D.: 806
Jordan, F. L., Jr.: 144
Jordan, W.: 906, 914
Joshi, S. M.: 188, 721, 722, 723
Joslin, R. D.: 32, 35, 36, 37, 425, 430

K
Kalkhoran, I.: 131
Kalleemeyn, P. H.: 173
Kaneko, H.: 742
Kangro, U.: 743
Kaplan, B. J.: 6
Kaplan, J. A.: 709
Kasdin, N. J.: 756, 757
Kaszubowski, M. J.: 883, 884
Katz, R.: 666
Katzberg, S. J.: 464
Kaushik, D. K.: 696
Kearney, M. E.: 883
Kelble, C. A.: 161
Kelly, J. J.: 807, 819
Kelly, K. K.: 587
Kemper, P.: 682
Kenakowski, D.: 830
Kennedy, C. A.: 38
Kennedy, J. M.: 897, 898, 902
Kenner, W. S.: 345
Kenney, P. S.: 709
Kenney, S. P.: 197
Kent, B. M.: 389
Kent, G. S.: 592, 651
Keyes, D. E.: 690, 696
Kiefer, R. L.: 237
Kiehl, J. T.: 443
Killough, B. D., Jr.: 431
Kim, M. Y.: 237, 905, 906, 912, 914
Kincaid, R. K.: 677, 678
Kindervater, C.: 236
King, B. B.: 732
Kizer, E. A.: 618
Klausmeyer, S. M.: 39
Kleb, W. L.: 40
Klein, V.: 117, 151
Kloeppe1, P. K.: 485
Knight, N. F., Jr.: 235, 345, 508, 523
Ko, M. K.: 594, 603
Koch, G. J.: 85, 378, 857
Koch, M. R.: 536
Kogan, M. N.: 432
Kokta, M. R.: 876
Konradi, A.: 913
Koppen, D. M.: 715
Korte, J. J.: 41, 42, 43, 407
Kosmatka, J. B.: 123
Kostiuk, P. F.: 7
Kotler, M. L.: 899
Koutsavdis, E. K.: 777
Kratz, D. P.: 626
Krishnamurthy, R.: 140
Kroo, I. M.: 168
Kroger, A. J.: 537
Kuchar, J. K.: 80
Kumar, A.: 44
Kumar, R. R.: 170
Kumfert, G.: 697
Kvatarnik, R. G.: 120, 121
Kwan, H. W.: 808

L
Lab, K. E.: 677
Lach, C. L.: 209, 288
Lachowicz, J. T.: 19, 45
Lake, M. S.: 509
Lamb, M.: 25
Lambeth, J. D.: 554, 555
Lan, C. E.: 152
Langston, C. W.: 132
Larman, K. T.: 627, 647
Laruelle, G.: 33
Lasseigne, D. G.: 409
Lawrence, R. W.: 395
Lay, R.: 205, 529
LeBeau, G. J.: 415, 492
LeCroy, S. R.: 627, 628, 629, 654
Lee, D. A.: 6, 7
Lee, E. W.: 238
Lee, J. H.: 481
Lee, R. B., III: 630, 631
Lee, S. M.: 238, 240
Lee-Glauser, G. J.: 510
Leighton, T.: 688
Leighty, B. D.: 469
Lepsch, R. A., Jr.: 758
Letnikov, V.: 100
Leutenegger, S. T.: 698
Levine, J. S.: 571, 572, 573, 574, 575, 576, 577, 578
Lewis, K.: 111
Lewis, R. M.: 725, 744, 745
Li, J.: 238, 239, 240, 241
Liceaga, C. A.: 189, 190
Liechty, D. S.: 509
Lih, S.-S.: 313
Lim, K. B.: 112, 191, 192, 193, 194, 203
Lin, B.: 632
Lin, G.-F.: 152
Lin, J. C.: 39, 46
Lin, Y.-L.: 87
Lindsay, D.: 262
Lingenfelser, G. S.: 565, 569, 584
Little, A. D.: 537
Liu, H.: 465
Liu, S. C.: 546
Liu, T.: 463
Lockard, G. E.: 877, 878, 879
Loncaric, J.: 746
Long, M.: 321
Loomis, M. P.: 406, 433
Lopez, M. A.: 698
Lotts, C. G.: 495
Lowther, S. E.: 343
Lu, J.: 579, 580, 602
Lucas, M. J.: 809, 810
Luck, W. S.: 562
Lyle, K. H.: 811, 812
Lyrantzis, A. S.: 777
Lytle, C. D.: 378

124
<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Montgomery, B. C.</td>
<td>547</td>
</tr>
<tr>
<td>Moore, A. A.</td>
<td>168, 758</td>
</tr>
<tr>
<td>Moore, T. C., Sr.</td>
<td>468</td>
</tr>
<tr>
<td>Morelli, E. A.</td>
<td>115, 116, 117</td>
</tr>
<tr>
<td>Morgan, R. G.</td>
<td>435, 436</td>
</tr>
<tr>
<td>Morris, M. J.</td>
<td>52</td>
</tr>
<tr>
<td>Morris, W. D.</td>
<td>171</td>
</tr>
<tr>
<td>Morrison, C. A.</td>
<td>864</td>
</tr>
<tr>
<td>Moses, R. W.</td>
<td>118, 119, 124, 513</td>
</tr>
<tr>
<td>Moss, J. N.</td>
<td>20, 44, 48, 66, 417, 437, 438</td>
</tr>
<tr>
<td>Mudukutore, A.</td>
<td>391, 392</td>
</tr>
<tr>
<td>Mueller, A. W.</td>
<td>817, 827</td>
</tr>
<tr>
<td>Multhaup, H. A.</td>
<td>183</td>
</tr>
<tr>
<td>Murcray, D. G.</td>
<td>590</td>
</tr>
<tr>
<td>Murcray, F. J.</td>
<td>590</td>
</tr>
<tr>
<td>Murphy, K. D.</td>
<td>818</td>
</tr>
<tr>
<td>Murphy, P. C.</td>
<td>151</td>
</tr>
<tr>
<td>Murray, J.</td>
<td>378</td>
</tr>
<tr>
<td>Murray, K. E.</td>
<td>865, 866, 867, 868, 870, 875, 876</td>
</tr>
<tr>
<td>Murri, G. B.</td>
<td>247, 248</td>
</tr>
<tr>
<td>Muylaert, J.</td>
<td>439</td>
</tr>
<tr>
<td>Myers, M. K.</td>
<td>790</td>
</tr>
<tr>
<td>Myers, T.</td>
<td>392</td>
</tr>
<tr>
<td>Namkung, M.</td>
<td>292, 293, 304, 305, 310, 311, 764</td>
</tr>
<tr>
<td>Nance, R. P.</td>
<td>440</td>
</tr>
<tr>
<td>Narayanan, R.</td>
<td>368</td>
</tr>
<tr>
<td>Natarajan, M.</td>
<td>554, 555</td>
</tr>
<tr>
<td>Nath, S.</td>
<td>293</td>
</tr>
<tr>
<td>Nath, S. C.</td>
<td>304, 305, 310</td>
</tr>
<tr>
<td>Neal, D. M.</td>
<td>244</td>
</tr>
<tr>
<td>Neil, D. O.</td>
<td>537</td>
</tr>
<tr>
<td>Neil, G. R.</td>
<td>485</td>
</tr>
<tr>
<td>Nejad, A. S.</td>
<td>142</td>
</tr>
<tr>
<td>Nelson, G. L.</td>
<td>158, 159</td>
</tr>
<tr>
<td>Nelson, M. L.</td>
<td>890, 892, 893, 894, 895, 896</td>
</tr>
<tr>
<td>Nemeth, M. P.</td>
<td>514, 515</td>
</tr>
<tr>
<td>Nettles, A. T.</td>
<td>249</td>
</tr>
<tr>
<td>Newell, R. E.</td>
<td>546</td>
</tr>
<tr>
<td>Newman, P. A.</td>
<td>63</td>
</tr>
<tr>
<td>Nguyen, C.</td>
<td>378</td>
</tr>
<tr>
<td>Nguyen, L.</td>
<td>641, 659, 660</td>
</tr>
<tr>
<td>Nguyen, L. C.</td>
<td>819</td>
</tr>
<tr>
<td>Nguyen, T. T.</td>
<td>650</td>
</tr>
<tr>
<td>Nicol, D. M.</td>
<td>681, 686</td>
</tr>
<tr>
<td>Nicolaenko, B.</td>
<td>397</td>
</tr>
<tr>
<td>Nicolaides, R. A.</td>
<td>37, 387, 743</td>
</tr>
<tr>
<td>Nikjoo, H.</td>
<td>663</td>
</tr>
<tr>
<td>Nixon, M. W.</td>
<td>120, 121, 123</td>
</tr>
<tr>
<td>Noll, T. E.</td>
<td>163</td>
</tr>
<tr>
<td>Nolt, I. G.</td>
<td>538, 539</td>
</tr>
<tr>
<td>Noonan, K. W.</td>
<td>71</td>
</tr>
<tr>
<td>Noor, A. K.</td>
<td>516, 716, 717</td>
</tr>
<tr>
<td>Noren, R. D.</td>
<td>742</td>
</tr>
<tr>
<td>Norfolk, D. R.</td>
<td>385</td>
</tr>
<tr>
<td>Northam, G. B.</td>
<td>138, 141, 418</td>
</tr>
<tr>
<td>Novelli, P. C.</td>
<td>558</td>
</tr>
<tr>
<td>Nowak, R. J.</td>
<td>400</td>
</tr>
<tr>
<td>Nowicki, G. D.</td>
<td>542, 543</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>O</th>
</tr>
</thead>
<tbody>
<tr>
<td>O'Neill, P.</td>
</tr>
<tr>
<td>O'Rourke, M. J.</td>
</tr>
<tr>
<td>Oglesby, D. M.</td>
</tr>
<tr>
<td>Ohlhorst, C. W.</td>
</tr>
<tr>
<td>Olson, E. D.</td>
</tr>
<tr>
<td>Olson, J. R.</td>
</tr>
<tr>
<td>Olynick, D. R.</td>
</tr>
<tr>
<td>Orient, G. E.</td>
</tr>
<tr>
<td>Orland, D.</td>
</tr>
<tr>
<td>Orwell, R. A.</td>
</tr>
<tr>
<td>Outlaw, R. A.</td>
</tr>
<tr>
<td>Overstreet, T.</td>
</tr>
<tr>
<td>Owens, L. R., Jr.</td>
</tr>
<tr>
<td>Owens, M.</td>
</tr>
<tr>
<td>Owre, S.</td>
</tr>
<tr>
<td>Ozoroski, L. P.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packard, A.</td>
</tr>
<tr>
<td>Padilla, P. A.</td>
</tr>
<tr>
<td>Padula, S. L.</td>
</tr>
<tr>
<td>Palikonda, R.</td>
</tr>
<tr>
<td>Palmer, M. T.</td>
</tr>
<tr>
<td>Palumbo, D. L.</td>
</tr>
</tbody>
</table>
Remsberg, E. E.: 550, 566, 567, 585, 588
Retina, N.: 6
Reubush, D. E.: 108
Rhodes, M. D.: 223, 272
Rich, D. C.: 351
Riddell, W. T.: 301, 302
Riggs, H. R.: 522
Riley, C. J.: 18, 444, 455, 458
Rinsland, C. P.: 590, 601, 841, 842, 843, 844, 845, 846, 850, 851
Ristorcelli, J. R.: 414, 445, 446, 447
Ritchey, N. A.: 644, 656
Ritter, P.: 9
Rivera, J. A., Jr.: 104
Rivers, R. A.: 88
Rizzi, S. A.: 818, 825
Roback, V. E.: 399
Robarge, W. P.: 578
Robbins, J. L.: 618
Robert, W. E.: 801
Roberts, A. S., Jr.: 418
Roberts, E.: 8, 9
Roberts, T. W.: 92, 826
Roche, A. E.: 589
Rodgers, W. G., Jr.: 89, 661
Rodriguez, J. M.: 594, 603
Rodriguez, W. J.: 869, 874
Roe, K. P.: 701
Roell, M. M.: 541
Rogers, J. L.: 54, 711
Rogers, R. C.: 140, 160
Rohrbach, W. W.: 421
Rombado, G.: 531
Rommel, M.: 334
Rosch, W. R.: 368
Rose, C. A.: 524, 525, 526, 532
Rose, F. G.: 617, 645
Rosenlof, K. H.: 587
Rosolovsky, J.: 352
Ross, H. M.: 55
Rouse, M.: 210, 268, 269
Rousseau, C. Q.: 241, 247, 248
Rowe, G. S.: 79
Rowsell, E. A.: 186
Rubinstein, R.: 448, 449
Rubira, A. F.: 352
Rudis, R.: 858
Rummler, D. R.: 404
Rumsey, C. L.: 56, 57, 450, 785, 786
Rushby, J.: 718
Russell, J. W.: 202
Russell, T. F.: 694
Rutan, D.: 610, 617, 645, 646, 656
Ryaben’kii, V. S.: 58, 748

S

Sachse, G. W.: 537, 545, 548
Salas, A. O.: 41, 42, 711
Salas, M. D.: 387, 729
Sandford, S. P.: 486, 488, 536, 562, 570
Sandholm, S. T.: 544
Sankaran, S. N.: 232
Sansano, A. M.: 703
Santa Maria, O. L.: 827
Sarghini, F.: 472
Sarkar, S.: 442
Sato, Y.: 901, 902
Sawyer, J. W.: 353
Saxena, V. K.: 602
Schaefer, J.: 314
Scherner, M. J.: 395
Scheuer, E.: 544
Schimmell, M. L.: 491
Schmidlin, F. J.: 582
Schneider, T. L.: 340
Schoeberl, M.: 589
Schowalter, D. G.: 87
Schuster, D. M.: 125
Schuster, G. L.: 627, 647
Schutte, P. C.: 133, 134
Schwab, R. W.: 93
Scott, C. J.: 594
Scott, M. A.: 411
Scott, R. C.: 126, 127
Scotti, S. J.: 135
Seale, M. D.: 824
Sealey, B. S.: 469, 487
Segal, C.: 367
Seshadri, B. R.: 270, 303
Settle, T. B.: 120, 121
Seywald, H.: 203
Shaeffer, J. E.: 377, 384
Shah, G. H.: 88
Shahinpoor, M.: 313
Shakarian, A.: 93
Shankar, N.: 710, 718
Shapiro, G.: 7
Sharp, D.: 271
Shavers, M. R.: 666
Shaw, R. J.: 64
Shebalin, J. V.: 451
Sheldon, B. W.: 734
Shen, S. N.: 895, 896
Sherlock, V. J.: 590
Shinn, J. L.: 670, 852, 905, 906, 907, 909, 912, 914
Shinn, M. D.: 485
Shipham, M. C.: 545
Shirinzadeh, B.: 848
Shivakumar, K. N.: 253
Shu, C-W.: 735, 736, 749
Shuer, L. M: 668
Shull, T. A.: 385
Sichel, E.: 351
Sickles, R. G.: 10
Sidilkoer, D.: 92, 750, 826
Sikorski, K.: 705
Silva, W. A.: 128, 129
Silvati, L.: 821
Silverman, E. M.: 223, 272
Simmons, G. A.: 158, 159
Simonsen, L. C.: 905, 906, 912, 914
Simpson, J. O.: 313, 354, 421
Simpson, J. W.: 304, 305, 310
Singh, D. J.: 452
Singh, H. B.: 544, 545
Singh, J. J.: 470, 473
Singh, U. N.: 877, 878, 879
Singleton, J. D.: 71
Sisk, D. B.: 288, 306
Siskind, D. E.: 591
Situ, W.: 563
Skeens, K. M.: 651
Sleght, D. W.: 523
Smith, A.: 470, 473
Smith, B. F.: 696
Smith, B. T.: 824
Smith, G. L.: 610, 645, 648, 656
Smith, J. G., Jr.: 313, 324, 325, 326, 327, 334, 335, 355, 782, 783
Smith, M. A.: 841, 842, 843, 844, 845, 846, 849, 850, 851
Smith, R. C.: 733, 737, 738, 751
Smith, S. A.: 307
Smith, S. W.: 273
Smith, W. L., Jr.: 621, 636, 637, 639, 640, 641, 649, 650, 659, 660
Sneddon, M. D.: 821
So, R. M.: 460
Sobel, L.: 271
Sobieszczanski-Sobieski, J.: 130
Soemarwoto, B.: 453
Solomon, S.: 443
Soloway, D. I.: 720, 724
Somani, A. K.: 702, 703, 704
Song, K. D.: 135
Southward, R. E.: 356, 357, 358, 359, 360, 361
Spamer, G. T.: 808
Sparks, D. W., Jr.: 198
Spel, M.: 439
Spencer, D. A.: 173
Speziale, C. G.: 454
Spletstoesser, W. R.: 838
Sprinkle, D. R.: 470, 473
St. Clair, T. L.: 346, 362
Stacy, K.: 456
Stalker, R. J.: 435, 436
Starke, E. A., Jr.: 308
Starnes, J. H., Jr.: 211, 212, 233, 508, 515, 519, 524, 525, 526, 532
Steijl, R.: 439
Stewart, E. C.: 88
Stewart, S. H.: 903
Stiede, P. E.: 805
Stocks, B. J.: 575, 576
Stouffer, S. D.: 138
Streett, C. L.: 408, 442, 472
Stuever, R. A.: 86, 88, 144
Subramanian, C. S.: 487
Sullivan, B. M.: 823, 831
Vipavetz, K. G.: 385
Virgin, L. N.: 818

W

Wagner, A.: 33
Wagner, J. A.: 288, 306
Wallace, T. A.: 278, 279
Wallio, H. A.: 542, 543, 548
Walpot, L.: 439
Walsh, B. M.: 865, 867, 868, 869, 870
Walsh, J. L.: 63
Wang, J. T.: 523, 527
Wang, P.-H.: 602, 651
Wang, Y.: 170
Warren, A. W.: 93
Waszak, M. R.: 154, 155
Waters, J. W.: 589
Watson, W. R.: 836
Weaver, S. P.: 634
Webb, J. R.: 904
Weikel, W. J.: 350
Weilmuenster, K. J.: 416, 455
Weinstein, L. M.: 456
Weisenborn, M. D.: 594
Weisenstein, D. W.: 603
Weiser, E. S.: 339
Welch, S. S.: 500, 501
Weston, R. P.: 43
Westphal, D. L.: 652
Wheeler, R. J.: 627, 628, 647, 653
White, J. J., II: 84
White, N. H.: 171
Whitesides, J. L.: 31
Whitley, K. S.: 228, 837
Whitlock, C. H.: 620, 623, 628, 629, 644, 647, 653, 654, 656
Wiccek, M. M.: 730
Wiedemann, K. E.: 419
Wielicki, B. A.: 561, 605, 613, 614, 615, 625, 632, 643, 655, 658
Wieseman, C. D.: 126, 127
Wilber, A. C.: 656
Wilbur, M. L.: 71
Wilhite, A. W.: 64
Wilkie, W. K.: 132
Wilkinson, S. P.: 340, 364
Wilkinson, S. P.: 19, 27, 45, 65

Willard, S. A.: 259, 260, 299, 309
Williams, G. B.: 399
Williams, J. R.: 662, 664, 665
Williams, R. A.: 165
Williams-Byrd, J. A.: 877, 878, 879
Willis, P.: 313
Willshire, K. F.: 134
Wilmeth, R. G.: 20, 49, 66, 438, 492
Wilson, M. R.: 817
Wilson, R. G.: 483
Wilson, R. V.: 457
Wincheski, R. A.: 292, 293, 304, 305, 310, 311
Winfrey, W. P.: 242, 312, 759, 760, 761, 762, 763, 764
Wing, D. J.: 12, 67, 68
Wingrove, E. R., III: 3, 6, 7, 10
Winker, D. M.: 595, 596, 597, 598, 599
Winstead, E. L.: 575, 576, 578
Wise, K. L.: 328
Wise, S. A.: 880, 881, 882
Wissel, V.: 391, 392
Wong, T.: 611, 657, 658
Wood, K. H.: 365, 366
Wood, W. A.: 69, 70, 458, 755
Woodard, S. E.: 200, 201, 204, 205, 528, 529, 530
Wood, W.: 467, 471
Woods, D. C.: 600, 603
Woods-Vedeler, J. A.: 531
Worden, H.: 601
Working, D. C.: 362

X

Xue, T.: 313

Y

Yager, T. J.: 105
Yang, J. N.: 275
Yasukawa, B.: 808
Yeager, J. C.: 156, 157
Yeager, W. T., Jr.: 71
Yee, J. H.: 582
Yetter, J. A.: 131
Yeung, P. K.: 459
Ying, S. X.: 57
Yost, W. T.: 667, 668, 671, 778, 779, 800, 837
Young, D. F.: 615, 637, 638, 639, 640, 649, 658, 659, 660
Young, P. R.: 365, 366
Young, R. D.: 526, 532
Younis, B. A.: 785, 786
Yu, J.: 808, 877, 878, 879
Yu, Y. H.: 838
Yuan, S. P.: 460
Yue, G. K.: 579, 580, 594, 602, 603

Z

Zabora, R.: 231
Zak, J. A.: 89, 661
Zang, T. A.: 43
Zasadil, S.: 591
Zawodny, J. M.: 536, 557
Zhang, H.: 730
Zhao, W.: 302
Zhou, Y.: 397, 398, 448, 449, 459, 461
Zhuang, Y.: 752
Zima, H.: 680, 683
Zimmerman, D. C.: 199, 518
Zuckerwar, A. J.: 806, 839
Organization Index

Office of Director

Office of Director (A)

Office of Education (AE)
540, 887, 888, 889, 897, 898, 899, 900, 901, 902, 904

Airframe Systems Program Office

Aeronautics Systems Analysis Division (BA)
81, 93, 102, 122, 377, 384

High-Performance Aircraft Office (BC)
131

Space and Atmospheric Sciences Program Group

Atmospheric Sciences Division (CA)

Space Systems and Concepts Division (CB)
166, 167, 168, 169, 170, 171, 172, 173, 184, 185, 189, 190, 202, 464, 535, 756, 757, 758, 883, 884

Space Projects Office (CC)
186
# Research and Technology Group

Research and Technology Group (D)

111, 130, 516, 716, 717

Aero- and Gas-Dynamics Division (DA)


Flight Dynamics and Control Division (DC)


Fluid Mechanics and Acoustics Division (DF)


Flight Electronics Technology Division (DI)


Materials Division (DM)


134
Structures Division (DS)

1, 2, 16, 71, 94, 95, 101, 104, 105, 106, 107, 113, 118, 119, 120, 121, 123, 124, 125,
126, 127, 128, 129, 132, 163, 199, 200, 201, 204, 205, 210, 211, 212, 223, 225, 226,
227, 235, 236, 245, 246, 262, 268, 269, 272, 277, 315, 331, 345, 353, 404, 419, 421,
489, 490, 495, 497, 498, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511,
512, 513, 514, 515, 517, 518, 519, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530,
531, 532

Technology Applications Group

Technology Applications Group (E)

207, 493, 885

Internal Operations Group

Facility Systems Engineering Division (GG)

206

Experimental Testing Technology Division (GH)

411, 462, 463, 466, 468, 469, 470, 473, 474, 487, 806, 839

Aerospace Mechanical Systems Division (GK)

96, 181, 182, 183, 276, 431, 491

Aerospace Electronic Systems Division (GL)

85, 378, 385, 465, 483, 486, 536, 537, 538, 539, 541, 570, 675, 719, 855, 857, 858, 859,
860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 874, 875, 876, 877,
878, 879

Information Systems and Services Division (GM)

434, 485, 707, 709, 886, 890, 891, 892, 893, 894, 895, 896, 903

High-Speed Research Program Office

High-Speed Research Program Office (I)

64

Advanced Subsonic Technology Program Office

Advanced Subsonic Technology Office (KC)

3, 4, 6, 7, 8, 9, 10, 220, 802
Aerospace Transportation Technology Office

Aerospace Transportation Technology Office (L)

108

Hyper X Program Office (LA)

33, 34, 50, 53

Independent Program Assessment Office

Independent Program Assessment Office (M)

174
RTOP Index

RTOP 146-90-04
549, 564, 571, 572, 573, 574, 575, 576, 577, 578, 621, 636, 640, 641, 649, 650

RTOP 148-65-41
607, 609, 611, 612, 613, 614, 620, 622, 625, 626, 627, 628, 629, 632, 643, 644, 647, 653, 655, 656, 657, 658

RTOP 199-45-16
662, 663, 664, 665, 666, 669, 852, 854, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914

RTOP 225-12-02
431

RTOP 227-92-43
465

RTOP 229-01-02
605, 606, 610, 615, 630, 631, 633, 637, 648

RTOP 229-02-06
601

RTOP 229-10-32
552

RTOP 229-71-02
533

RTOP 232-01-04
51

RTOP 233-01-01
237, 510, 529, 882

RTOP 233-01-21
509

RTOP 233-02-03
350, 354, 356, 357

RTOP 233-03-01
187

RTOP 233-03-03
375

RTOP 233-10-14
196, 197, 198, 321, 330, 361, 470, 496, 505

RTOP 233-10-21
205

RTOP 233-20-21
223, 272, 860, 862, 864, 865, 866, 867, 868, 870, 875

RTOP 233-20-24
467

RTOP 233-30-31
869

RTOP 233-40-41
313

RTOP 236-04-70
181

RTOP 237-02-22
186
RTOP 237-03-02
  500
RTOP 237-03-33
  200, 201
RTOP 237-08-02
  501
RTOP 242-03-30
  263, 824
RTOP 242-20-02
  315
RTOP 242-20-07
  135, 353
RTOP 242-20-08
  40, 166, 168, 169, 400, 417
RTOP 242-30-03
  173
RTOP 242-30-05
  306
RTOP 242-30-33
  172
RTOP 242-33-01
  171, 264, 331, 419, 915, 916
RTOP 242-50-02
  288
RTOP 242-80-01
  5, 11, 17, 18, 20, 44, 47, 48, 49, 66, 69,
  70, 396, 399, 401, 405, 406, 415, 416,
  423, 424, 433, 437, 438, 439, 440, 444,
  455, 458, 492, 755, 758
RTOP 243-10-01
  885
RTOP 243-30-07
  668
RTOP 243-50-01
  207
RTOP 258-20-00
  675
RTOP 258-70-21
  180, 395, 471, 483, 486, 536, 570, 719,
  859, 861, 863, 872, 877, 878, 879
RTOP 260-30-15
  283
RTOP 260-98-09
  184
RTOP 267-10-00
  185
RTOP 274-00-96
  473, 482, 488, 724
RTOP 274-00-97
  394, 464, 535, 562, 563, 720
RTOP 282-10-01
  77, 78, 402, 403, 432
RTOP 282-10-08
  540
<table>
<thead>
<tr>
<th>Code</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTOP 297-40-00</td>
<td>302</td>
</tr>
<tr>
<td>RTOP 297-50-00</td>
<td>182, 183, 491, 855</td>
</tr>
<tr>
<td>RTOP 297-90-00</td>
<td>174</td>
</tr>
<tr>
<td>RTOP 323-78-01</td>
<td>499</td>
</tr>
<tr>
<td>RTOP 344-16-50</td>
<td>582</td>
</tr>
<tr>
<td>RTOP 370-21-08</td>
<td>553, 554, 555</td>
</tr>
<tr>
<td>RTOP 413-18-07</td>
<td>569</td>
</tr>
<tr>
<td>RTOP 428-82-00</td>
<td>608, 623, 654</td>
</tr>
<tr>
<td>RTOP 460-44-41</td>
<td>638, 651, 652</td>
</tr>
<tr>
<td>RTOP 464-12-03</td>
<td>538, 539</td>
</tr>
<tr>
<td>RTOP 464-23-08</td>
<td>845, 850</td>
</tr>
<tr>
<td>RTOP 464-34-02</td>
<td>590</td>
</tr>
<tr>
<td>RTOP 464-51-01</td>
<td>443</td>
</tr>
<tr>
<td>RTOP 464-54-07</td>
<td>541</td>
</tr>
<tr>
<td>RTOP 464-54-11</td>
<td>544</td>
</tr>
<tr>
<td>RTOP 505-10-31</td>
<td>111</td>
</tr>
<tr>
<td>RTOP 505-59-10</td>
<td>37</td>
</tr>
<tr>
<td>RTOP 505-59-30</td>
<td>22, 23, 68</td>
</tr>
<tr>
<td>RTOP 505-59-36</td>
<td>97, 103</td>
</tr>
<tr>
<td>RTOP 505-59-50</td>
<td>19, 35, 38, 46, 450, 451, 454</td>
</tr>
<tr>
<td>RTOP 505-59-52</td>
<td>771, 772, 775, 776, 777, 785, 815, 829</td>
</tr>
<tr>
<td>RTOP 505-59-53</td>
<td>14, 30, 59, 767, 768, 799, 816, 826, 832, 836</td>
</tr>
<tr>
<td>RTOP 505-59-54</td>
<td>411, 856</td>
</tr>
<tr>
<td>RTOP 505-63-10</td>
<td>106, 217</td>
</tr>
<tr>
<td>RTOP 505-63-35</td>
<td>512</td>
</tr>
<tr>
<td>RTOP 505-63-36</td>
<td>71, 120, 123, 132, 262, 677, 803, 817</td>
</tr>
</tbody>
</table>
RTOP 522-33-11
90, 91, 151, 154, 155, 177, 178, 179, 188, 191, 193, 194, 203, 380, 382, 383, 676, 708, 722

RTOP 522-41-11
122

RTOP 522-51-11
33, 34

RTOP 522-51-21
53

RTOP 522-51-31

RTOP 522-51-61
108

RTOP 533-31-21
786

RTOP 537-02-22
806

RTOP 537-05-21
822

RTOP 537-06-21
497

RTOP 537-06-22
818

RTOP 537-06-31
308

RTOP 537-06-33
229, 242, 273

RTOP 537-06-34
522

RTOP 537-06-37
794, 825

RTOP 537-07-22
92

RTOP 537-07-24
114

RTOP 537-08-24
72, 162

RTOP 537-09-20
64, 102

RTOP 537-09-21
670, 793, 853

RTOP 537-09-23
542, 543, 548

RTOP 538-01-14
372, 713

RTOP 538-02-10
109, 216, 221, 233, 244, 250, 251, 252, 253, 258, 259, 260, 270, 275, 280, 281, 282, 284, 289, 290, 291, 294, 295, 296, 298, 299, 300, 301, 303, 307, 348, 520, 524, 525, 526, 532

RTOP 538-02-11
292, 293, 311, 312, 759, 760, 762, 763, 764
RTOP 578-12-70
624

RTOP 579-21-17
565, 584

RTOP 579-21-51
583

RTOP 581-01-21
238

RTOP 581-10-11
98, 99, 100, 484

RTOP 581-10-21
218, 239, 241, 247, 248, 254, 255, 256, 265

RTOP 581-20-21
121, 774, 789, 838

RTOP 581-20-31
784, 809, 827

RTOP 591-22-21
345

RTOP 618-22-31
558

RTOP 622-56-61
534

RTOP 622-63-02
546

RTOP 622-63-06
537

RTOP 622-63-08
545

RTOP 622-63-13
547

RTOP 622-67-65
841, 842, 843, 844, 846, 849, 851

RTOP 622-67-69
567, 588

RTOP 632-10-14
195, 481, 518, 530

RTOP 632-20-21
204, 257, 506, 507, 528, 531, 881

RTOP 665-25-06
550

RTOP 665-25-30
441

RTOP 665-25-31
551, 566, 581, 585, 587

RTOP 665-25-41
560, 561

RTOP 665-45-20
556, 557, 579, 580, 586, 592, 594, 595, 596, 597, 598, 599, 600, 602, 603, 618

RTOP 665-45-53
593

RTOP 665-70-01
559, 568, 589, 591
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RTOP 859-00-00
  167

RTOP 906-43-00
  170, 189, 190, 756, 757

RTOP 956-17-00
  873, 880

RTOP 963-35-00
  368

RTOP 963-89-00
  199, 202, 883, 884