A BIBLIOGRAPHY ON DIGITAL COMPUTER-AIDED
CIRCUIT ANALYSIS AND DESIGN

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The potential use of digital computer in the analysis and design of electric circuits has been recognized for some time. The first organized effort in technical meetings on the subject seems to be a session on 'Computers in Network Synthesis' in 1957 WESCON Convention when three papers (12, 17, 132) were presented. In 1961 the IRE Transactions on Circuit Theory issued a special number on Network Design by Computer (49, 60, 78, 98, 184). A Computer Program Department has since been inaugurated to the Transactions (84) which collects and publishes titles and reviews of available programs on circuit theory problems. There was a symposium on the Design of Networks with a Digital Computer (27, 47, 160, 171) at 1962 IRE International Convention. In 1963 Lockheed Missiles and Space staff prepared an annotated bibliography on computer-aided analysis and design (142). More recently at the Third Allerton Conference on Circuit and System Theory, October 20-22, 1965, six papers (85, 110, 128, 145, 165, 178) were presented at the session of Network Analysis and Design by Digital Computers.

This bibliography attempts to list all pertinent literature on computer-aided techniques and programs directly connected with circuit analysis and design. Related background material (for example, the Monte Carlo method in digital computation), though important as they are, are deleted from this compilation. The entries are arranged in the alphabetic order of the last name of the first author of each paper. A subject index and an chronological index are appended.

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- 3 -


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to the Analysis of Electronic Networks," Proc. 1962 Nat'l Aerospace

- 13 -


- 15 -


- 16 -


### SUBJECT INDEX

| Amplifiers: | 2 8 47 50 122 |
| Analysis: | 4 5 6 7 13 15 16 19 20 25 |
| | 26 27 28 30 31 37 42 54 55 56 |
| | 59 62 66 70 72 77 78 79 82 |
| | 103 107 110 111 112 114 131 132 |
| | 133 137 138 140 145 147 148 163 |
| | 165 166 167 168 173 177 184 |
| Bibliography: | 10 142 |
| Books: | 13 36 57 |
| Computer Programs: | 15 26 29 64 71 74 84 91 105 |
| | 106 143 |
| Design and Synthesis: | (2) 9 11 17 18 21 24 30 32 |
| | 33 36 37 38 39 45 46 52 58 |
| | 60 61 75 83 86 93 98 101 104 |
| | 108 109 113 120 121 122 124 131 |
| | 147 149 151 154 157 158 160 161 |
| | 164 165 171 175 178 |
| Filter: | 9 21 60 83 102 104 |
| | 113 115 164 171 178 |
| Integrated Circuits: | 1 8 41 52 65 |
| Logical Network: | 11 34 35 43 44 67 136 153 |
| Numerical Method: | 4 36 127 128 175 |

- 21 -
<table>
<thead>
<tr>
<th>Category</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
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<td>10 18 22 88 95 96 117 170 180</td>
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<tr>
<td>Simulation:</td>
<td>63 81 85 135 150</td>
</tr>
<tr>
<td>Statistical Technique:</td>
<td>5 48 50 67 94 99 100 119 124 130 139 159</td>
</tr>
<tr>
<td>Survey:</td>
<td>12 14 23 40 73 90 126 131 155 176</td>
</tr>
<tr>
<td>Theory:</td>
<td>57 152 169</td>
</tr>
<tr>
<td>Topological Method:</td>
<td>35 87 179 185</td>
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<td>Transfer Function:</td>
<td>81 125 144</td>
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<td>Transformer:</td>
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<tr>
<td>Transients:</td>
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<tr>
<td>Transistor Diode:</td>
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<td>Worst-Case Analysis:</td>
<td>7 24 61 101 156</td>
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CHRONOLOGICAL INDEX

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<thead>
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- 23 -
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