

Subject Index

A	
<p>Automata</p> <p> Finite Counting Automata, M. P. SCHUTZENBERGER 91</p> <p> Sequence Generators, Graphs, and Formal Languages, ARTHUR W. BURKS 204</p> <p> Sequential Machines, Loop-Free Structure of, J. HARTMANIS 25</p> <p> Sequential Machines, Some Dangers in State Reduction of, J. HARTMANIS AND R. E. STEARNS 252</p>	<p> Non-linear Filters and Control Systems, The Design of, Part I, JACOB KATZENELSON AND LEONARD A. GOULD 108</p> <p> Optimum Control of Certain Linear Systems with Quadratic Loss, DAVID S. ADORNO 1</p>
C	
<p>Channels</p> <p> Channel Probability Functions, Channels with Arbitrarily Varying, J. KIEFER AND J. WOLFOWITZ 44</p> <p> Channels Which Transmit Letters of Unequal Duration, RALPH M. KRAUSE 13</p>	<p style="text-align: center;">D</p> <p>Decision Theory</p> <p> A Note on a Computational Approximation to the Two-Machine Problem, BRIAN GLUSS 268</p>
E	
<p>Codes</p> <p> Bose-Chaudhuri Codes, On the Number of Information Symbols in, HENRY B. MANN 153</p> <p> Error-Correcting Codes, A Note on Cyclic Permutation, PETER G. NEUMANN 72</p> <p> Group Codes, A Note on the Mean Square Weight for, NEAL ZIERLER 87</p> <p> Reed-Muller, Generalized Codes, E. WEISS 213</p>	<p style="text-align: center;">E</p> <p>Errata and Acknowledgment 278</p>
F	
<p>Control Systems</p> <p> A Stochastic Treatment of a Control System with Breakdown and Repair, RAYMOND RISHEL 144</p>	<p style="text-align: center;">F</p> <p>Filter, A Model for a Self-Adapting, MELVIN J. HINICH 185</p>
I	
<p>Information, A Line Segment Curve-Fitting Algorithm Related to Optimal Encoding of Information, BRIAN GLUSS 261</p>	<p style="text-align: center;">L</p> <p>Languages</p> <p> A Remark on Discovery Algorithms for Grammars, E. SHAMIR 246</p>
M	
<p>Machine Learning, Programs for Part I, AIKO M. HORMANN 347</p>	<p style="text-align: center;">N</p> <p>Neurophysiology</p> <p> On a Uniqueness Theorem and its</p>

Application to a Neurophysiological Control Mechanism, Z. A. MELZAK 163

Theorem on FM Spectra, NELSON M. BLACHMAN 55

U

P

Pattern Recognition
 The Degarbler, A Program for Correcting Machine-Read Morse Code, CONSTANCE K. McELWAIN AND MARTHA B. EVENS 368
 The Hypersphere in Pattern Recognition, PAUL W. COOPER 324
 Power Spectra
 A Generalization of Woodward's

Uncertainty in Classical Mechanics
 Poincare's Theorem and, L. BRILLOUIN 223

W

Wave-Number-Limited Functions in N-Dimensional Euclidean Spaces, Sampling and Reconstruction of, DANIEL P. PETERSEN AND DAVID MIDDLETON 279