

CONTENTS OF VOLUME XXI

R. P. AKABARI, U. K. DAVE and L. K. PATEL: Some pure radiation fields in general relativity	464
N. ANDERSON and A. M. ARTHURS: Complementary variational principles for a class of non-linear boundary value problems	102
A. M. ARTHURS and V. G. HART: The method of the hypercircle for a class of non-linear equations	75
A. M. ARTHURS: <i>See</i> N. ANDERSON	102
A. M. ARTHURS: Hypercircle estimates for nonlinear problems	330
A. F. BEECHAM and A. C. HURLEY: A schedule problem with a simple graphical solution	486
SITA BHASKARAN and FRANZ J. M. SALZBORN: Optimal diameter assignment for gas pipeline networks	129
H. A. BUCHDAHL: Scale covariant Lagrangians and spaces reciprocal to static Einstein spaces	338
V. T. BUCHWALD: Corrigendum: The diffraction of elastic waves by small cylindrical cavities	384
A. CANTONI: <i>See</i> R. J. EVANS	230
DAVID CLARK: An algorithm for solving the restricted least squares problem	345
DAVID J. CLEMENTS: A representation result for two-input two-output decentralized systems	113
D. L. CLEMENTS and T. R. TAUCHERT: A thermoelastic crack problem for an anisotropic slab	243
B. D. CRAVEN: <i>See</i> K. L. TEO	385
U. K. DAVE: <i>See</i> R. P. AKABARI	464
FRANK DE HOOG: <i>See</i> JOHN PAINE	365
J. W. EVANS: Aspect of the kinetic equations for a special one-dimensional system	145
R. J. EVANS and A. CANTONI: A note on least-squares approximation with range constants	230
JAMES A. FILL and ALAN J. IZENMAN: Invariance properties of Schoenberg's tone row system	268
JAMES A. FILL and ALAN J. IZENMAN: The structure of RI-invariant twelve-tone rows	402
L. K. FORBES: A note on the solution of the one-dimensional unsteady equations of arterial blood flow by the method of characteristics	45
J. M. GOLDEN: The problem of a rigid punch moving on a viscoelastic half-plane with inertial effects approximately included	198
V. G. HART: <i>See</i> A. M. ARTHURS	75
N. J. HATHAWAY, I. W. MURRAY and J. A. RICKARD: The stability of Bishop's warfare strategy	418
STEPHEN C. HENNAGIN and PETER LINZ: Exclusion regions for eigenvalues of linear operators	433
A. C. HURLEY: <i>See</i> A. F. BEECHAM	486
ALAN J. IZENMAN: <i>See</i> JAMES A. FILL	268
ALAN J. IZENMAN: <i>See</i> JAMES A. FILL	402
T. R. JEFFERSON: <i>See</i> C. H. SCOTT	37

T. R. JEFFERSON: <i>See</i> C. H. SCOTT	398
KRISORN JITTORNTRUM and M. R. OSBORNE: A modified barrier function method with improved rate of convergence for degenerate problems	305
P. E. KLOEDEN: Stability of large-scale systems with lagged interconnections	496
K. A. LANDMAN: Bifurcation and stability of periodic solutions from a zero eigenvalue	2
G. LEDWICH: <i>See</i> J. B. MOORE	176
R. M. LEWIS: Stability of non-linear systems with time varying delays	452
PETER LINZ: <i>See</i> STEPHEN C. HENNAGIN	433
J. D. LOVE: Solution of homogeneous linear difference equations	293
J. H. LOXTON and J. W. SANDERS: The kernel of a rule of approximate integration	257
J. B. MOORE and G. LEDWICH: Multivariable adaptive parameter and state estimators with convergence analysis	176
I. W. MURRAY: <i>See</i> N. J. HATHAWAY	418
S. NABABAN and E. S. NOUSSAIR: Existence theorems for optimal control of quasi-linear parabolic partial differential equations	90
SRIBATSA NANDA: A-topology for Minkowski space	53
SRIBATSA NANDA: A note on maximal and minimal causal spaces	357
E. S. NOUSSAIR: <i>See</i> S. NABABAN	90
M. R. OSBORNE: <i>See</i> KRISORN JITTORNTRUM	305
JOHN PAINE and FRANK DE HOOG: Uniform estimation of the eigenvalues of Sturm-Liouville problems	365
L. K. PATEL: <i>See</i> R. P. AKABARI	464
J. A. RICKARD: <i>See</i> N. J. HATHAWAY	418
DEREK W. ROBINSON: Propagation properties in scattering theory	474
S. ROSENBLAT: Asymmetric bifurcation	297
FRANZ J. M. SALZBORN: <i>See</i> SITA BHASKARAN	129
J. W. SANDERS: <i>See</i> J. H. LOXTON	257
C. H. SCOTT and T. R. JEFFERSON: Characterizations of optimality for continuous convex mathematical programs. Part 1. Linear constraints	37
C. H. SCOTT and T. R. JEFFERSON: Fractional programming duality via geometric programming duality	398
P. D. SIMMS: On the solution of a partially structured non-linear program	283
A. N. STOKES: Series operations using minimum storage	84
F. M. SKALAK and C. Y. WANG: On the unsteady squeezing of a viscous fluid from a tube	65
T. R. TAUCHERT: <i>See</i> D. L. CLEMENTS	243
K. L. TEO: Existence of optimal controls for systems governed by second order linear parabolic partial delay-differential equations with first boundary conditions	21
K. L. TEO and B. D. CRAVEN: On a computational algorithm for time-lag optimal control problems with restricted phase co-ordinates	385
E. O. TUCK: Strategies for games with alternating right to double the stake	440
C. Y. WANG: <i>See</i> F. M. SKALAK	65