

CONTENTS OF VOLUME 31

RASAJIT KUMAR BERA: Nonlinear oscillations and buckling of anisotropic cylindrical shells under large initial stresses	330
A. L. CAREY and K. McNAMARA: Degenerate forms of Maxwell's equations	277
IAN D. COOPE: A conjugate direction implementation of the BFGS algorithm with automatic scaling	122
ANDREW COYLE: Sensitivity bounds on a $GI/M/n/n$ queueing system	135
J. P. DENIER and R. GRIMSHAW: Slowly-varying bifurcation theory in dissipative systems	301
J. P. DENIER and R. H. J. GRIMSHAW: Nonlinear interaction of positive and negative energy modes in Hamiltonian systems	397
J. N. DEWYNNE, S. D. HOWISON, J. R. OCKENDON and WEIQING XIE: Asymptotic behavior of solutions to the Stefan problem with a kinetic condition at the free boundary	81
B. DUSZCZYK: <i>See</i> S. KOSINSKI	
SUZANNE P. EVANS: A mathematical model and related problems of optimal management and design in a broadband integrated services network	150
R. GRIMSHAW: <i>See</i> J. P. DENIER	
A. J. HALL and G. C. WAKE: Functional differential equations determining steady size distributions for populations of cells growing exponentially	434
W. HENDERSON, D. LUCIC and P. G. TAYLOR: A net level performance analysis of stochastic Petri nets	176
S. D. HOWISON: <i>See</i> J. N. DEWYNNE	
PHIL HOWLETT: An optimal strategy for the control of a train	454
I. HUSAIN: <i>See</i> B. MOND	
ANDRZEJ JAJSZCZYK: On nonblocking multiconnection networks composed of digital switching matrices	188
F. P. KELLY: Fixed point models of loss networks	204
PHILIP KORMAN, ANTHONY W. LEUNG and SRDJAN STOJANOVIC: Monotone iterations for nonlinear obstacle problem	259
S. KOSINSKI and B. DUSZCZYK: Normal shock reflection-transmission in rubber-like elastic material	29
SUNIL KUMAR: The numerical solution of Hammerstein equations by a method based on polynomial collocation	319
ANTHONY W. LEUNG: <i>See</i> PHILIP KORMAN	
D. LUCIC: <i>See</i> W. HENDERSON	
K. McNAMARA: <i>See</i> A. L. CAREY	
MIN SUN: An evolutionary monotone follower problem in $[0, 1]$	97
B. MOND and I. HUSAIN: Sufficient optimality criteria and duality for variational problems with generalised inconvexity	108
R. N. MUKHERJEE: <i>See</i> SHRI RAM YADAV	
J. R. OCKENDON: <i>See</i> J. N. DEWYNNE	

M. R. OSBORNE: An interior point method for linear programming	367
M. R. OSBORNE and R. S. WOMERSLEY: Strong uniqueness in sequential linear programming	379
R. B. POTTS: <i>See</i> H. H. TAN	
A. J. ROBERTS: Appropriate initial conditions for asymptotic descriptions of the long term evolution of dynamical systems	48
JOHN W. SCHUTZ: The isotropy mappings of Minkowski space-time generate the orthochronous Poincare group	425
N. F. SMYTH: Propagation of flame fronts	385
JOSEPH W.-H. SO: Persistence and extinction in a predator-prey model consisting of nine prey genotypes	347
SRDJAN STOJANOVIC: <i>See</i> PHILIP KORMAN	
K. K. TAM: Criticality dependence on data and parameters for a problem in combustion theory, with temperature-dependent conductivity	76
H. H. TAN and R. B. POTTS: A discrete path/trajectory planner for robotic arms	1
P. G. TAYLOR: <i>See</i> W. HENDERSON	
NICO M. VAN DIJK: Analytic error bounds for approximations of queueing networks with an application to alternate routing	241
G. C. WAKE: <i>See</i> A. J. HALL	
WEIQING XIE: <i>See</i> J. N. DEWYNNE	
R. S. WOMERSLEY: <i>See</i> M. R. OSBORNE	
SHRI RAM YADAV and R. N. MUKHERJEE: Duality for fractional minimax programming problems	484
E. M. E. ZAYED: On hearing the shape of an arbitrary doubly-connected region in R^2	472
MOSHE ZUKERMAN: Applications of matrix-geometric solutions for queueing performance evaluation of a hybrid switching system	219