

Contents

Preface

A Anane and N Tsouli On the second eigenvalue of the p -Laplacian	1
A Benkirane A theorem of H Brezis and F E Browder type in Orlicz spaces and application	10
K Benmlih A result of maximum point localization for a semi-linear elliptic pde	17
J Berkovits and V Mustonen Existence results for semilinear equations with normal linear part and applications to telegraph equations	32
L Boccardo The role of truncates in nonlinear Dirichlet problems in L^1	42
A Boucherif and S M Bouguima Periodic solutions of second ordinary differential equations with a discontinuous nonlinearity	54
Z Chbani and H Riahi The range of sums of monotone operators and applications to Hammerstein inclusions and nonlinear complementarity problems	61
Ph Clement, D G de Figueiredo and E Mitidieri A priori estimates for positive solutions of semilinear elliptic systems via Hardy–Sobolev inequalities	73
B Dacorogna On the minimisation of non quasiconvex integrals of the calculus of variations	92
B Dehman Local solvability for complex quasi-linear equations	105

P Drábek Strongly nonlinear degenerated and singular elliptic problems	112
M Girardi and M Matzeu Some results about periodic solutions of second order Hamiltonian systems where the potential has indefinite sign	147
J P Gossez and M Moussaoui A note on nonresonance between consecutive eigenvalues for a semilinear elliptic problem	155
C A Stuart Cylindrical TE and TM modes in a self-focusing dielectric	167
J L Vazquez Entropy solutions and the uniqueness problem for nonlinear second-order elliptic equations	179