

CONTENTS

Preface	419
Part I: Variational Problems	421
E. M. BEDNARCZUK: Hölder-like properties of minimal points in vector optimization	423
J. V. BURKE, S. DENG: Weak sharp minima revisited. Part I: basic theory	439
P. FUSEK, D. KLATTE, B. KUMMER: Examples and counterexamples in Lipschitz analysis	471
C. IMBERT, M. VOLLE: On vectorial Hamilton–Jacobi equations	493
A. D. IOFFE: Convergence and extensions of variational problems with non-coercive functionals	507
A. KAPLAN, R. TICHATSCHKE: Proximal-based regularization methods and successive approximation of variational inequalities in Hilbert spaces	521
R.E. LUCCHETTI, J.P. REVALSKI, M. THÉRA: Critical points for vector-valued functions	545
B. S. MORDUKHOVICH: Calculus of second-order subdifferentials in infinite dimensions	557
D. RALPH: A stable homotopy approach to horizontal linear complementarity problems	575
S. ROLEWICZ: On $\alpha(\cdot)$ -monotone multifunctions and differentiability of strongly $\alpha(\cdot)$ -paraconvex functions	601

Part II: Optimal Control and Dynamical Systems	621
Z. ARTSTEIN: An occupational measure solution to a singularly perturbed optimal control problem	623
H. ATTOUCH, J. BOLTE, P. REDONT: Optimizing properties of an inertial dynamical system with geometric damping. Link with proximal methods	643
D. L. AZZAM, C. CASTAING, L. THIBAUT: Three boundary value problems for second order differential inclusions in Banach spaces	659
E. CASAS, F. TRÖLTZSCH: Error estimates for the finite-element approximation of a semilinear elliptic control problem	695
Z. DENKOWSKI: Control problems for systems described by hemivariational inequalities	713
M. KRASTANOV: A sufficient condition for small-time local attainability of a set	739
I. LASIECKA: Wellposedness of optimal control problems for systems with unbounded controls and partially analytic generators	751
Ș. MIRICĂ: Finite-dimensional representations of the value functions of some optimal control problems	779
N. P. OSMOLOVSKII: Second-order sufficient conditions for an extremum in optimal control	803
S. PICKENHAIN: Duality theory for state-constrained control problems governed by a first order PDE system	833
M. QUINCAMPOIX, V.M. VELIOV: Solution tubes to differential inclusions within a collection of sets	847