

TABLE OF CONTENTS

VOLUME CXXXV

PART 1

IDRISS BOUTAAYAMOU, GENNI FRAGNELLI, AND LAHCEN MANIAR — Carleman estimates for parabolic equations with interior degeneracy and Neumann boundary conditions	1
BEGOÑA BARRIOS, LUIGI MONTORO, AND BERARDINO SCIUNZI — On the moving plane method for nonlocal problems in bounded domains	37
ANDERS BJÖRN, JANA BJÖRN, AND VISA LATVALA — The Cartan, Choquet and Kellogg properties for the fine topology on metric spaces	59
MICHAEL BJÖRKLUND AND ALEXANDER FISH — Ergodic theorems for coset spaces	85
ZHIREN WANG — Multi-invariant measures and subsets on nilmanifolds	123
MALIK YOUNSI — On the analytic and Cauchy capacities	185
GERSHON KRESIN AND VLADIMIR MAZ'YA — Invariant convex bodies for strongly elliptic systems	203
DANIEL CARANDO, ANDREAS DEFANT, AND PABLO SEVILLA-PERIS — Almost sure-sign convergence of Hardy-type Dirichlet series	225
DMITRIY BILYK AND LEV MARKHASIN — BMO and exponential Orlicz space estimates of the discrepancy function in arbitrary dimension	249
HARALD WORACEK — Perturbation of chains of de Branges spaces	271
ALBRECHT SEELMANN — On an estimate in the subspace perturbation problem	313
YURI LATUSHKIN, SELIM SUKHTAIEV, AND ALIM SUKHTAYEV — The Morse and Maslov indices for Schrödinger operators	345

Continued on the next page

PART 2

MICHAEL I. GANZBURG — Polynomial inequalities on sets with k_m -concave weighted measures	389
WILLIAM A. VEECH — Riemann Sums and Möbius	413
PABLO CANDELA AND BALÁZS SZEGEDY — A continuous model for systems of complexity 2 on simple abelian groups	437
SOONSIK KWON AND YIFEI WU — Orbital stability of solitary waves for derivative nonlinear Schrödinger equation	473
M. CHUAQUI AND P. DUREN AND B. OSGOOD — Quasiconformal extensions to space of Weierstrass-Enneper lifts	487
FERNANDO DE ÁVILA SILVA, TODOR GRAMCHEV, AND ALEXANDER KIRILOV — Global hypoellipticity for first-order operators on closed smooth manifolds	527
GREY ERCOLE AND GILBERTO DE ASSIS PEREIRA — On a singular minimizing problem	575
BENJAMIN JAYE AND FEDOR NAZAROV — Reflectionless measures for Calderón-Zygmund operators I: general theory	599
XUAN THINH DUONG, JI LI, SUZHEN MAO, HUOXIONG WU, AND DONGYONG YANG — Compactness of Riesz transform commutator associated with Bessel operators	639
FRANCESCO DI PLINIO AND YUMENG OU — A modulation invariant Carleson embedding theorem outside local L^2	675
CHRISTIAN MAUDUIT, JOËL RIVAT, AND HUGH L. MONTGOMERY — Moments of a Thue–Morse generating function	713
FABIEN DURAND, NICHOLAS ORMES, AND SAMUEL PETITE — Self-induced systems	725
JULIO DELGADO AND MICHAEL RUZHANSKY — Fourier multipliers, symbols, and nuclearity on compact manifolds	757