

# Contents

Preface	xi
Gradient Estimates at the Boundary for Solutions to Nondivergence Elliptic Equations B. BARCELO, L. ESCAURIAZA, and E. FABES	1
Interior Regularity of Solutions to Monge Ampère Equations L. A. CAFFARELLI	13
The Helson-Szegö Theorem in $L^p$ of the Bidimensional Torus M. COTLAR and C. SADOSKY	19
Galerkin Methods for the Boundary Integral Equations of Elliptic Equations in Nonsmooth Domains B. E. J. DAHLBERG and G. VERCHOTA	39
Some Applications of Hardy Spaces and BMO in Harmonic Analysis and Partial Differential Equations R. FEFFERMAN	61
The Positive Cone in Triebel-Lizorkin Spaces and the Relation Among Potential and Maximal Operators B. JAWERTH, C. PEREZ, and G. WELLAND	71
Changes of Variable and $A_p$ Weights R. JOHNSON	93
Progress on Two Problems Posed by Rivière C. E. KENIG	101
Fredholm Theory for Periodic Solutions of Some Semilinear P.D.E.s with Homogeneous Nonlinearities A. C. LAZER and P. J. MCKENNA	109
Stability of Solitary Waves W. A. STRAUSS	123