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Nota di contenuto	Preface; CONTENTS; Chapter I Integral and Pseudodifferential Operators; 1. Pseudodifferential Operators of Second Order with Sign-Changed Characteristic Form Nguyen Minh Tri; 2. A Semilinear Nonclassical Pseudodifferential Boundary Value Problem in Sobolev Spaces $1 < p < \infty$ Nguyen Minh Chuong and Dang Anh Tuan; 3. Singular Integral Operators in Functional Spaces of Morrey Type Lubomira Softova; 4. Classification of Integral Transforms Vu Kim Tuan; Chapter II Partial Differential Equations; 5. Unified Minimax Methods Martin Schechter 6. Some Remarks on Single Conservation Laws Mikio Tsuji and Peter Wagner 7. Iterative Method for Solving a Mixed Boundary Value Problem for Biharmonic Type Equation Dung Quang A and Le Tung Son; 8. Numerical Solution to a Non-Linear Parabolic Boundary Control Problem Dinh Nho Hao, Nguyen Trung Thanh and H. Sahli; 9. A Class of Solutions to Maxwell's Equations in Matter and Associated Special Functions Peter Massopust 10. On the Cauchy Problem for a Quasilinear Weakly Hyperbolic System in Two Variables and Applications to that for Weakly Hyperbolic Classical Monge- Ampere Equations Ha Tien Ngoan and Nguyen Thi Nga 11. Some Singular Perturbation Problems Related to the Navier-

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Noncommutative Trigonometry and Quantum Mechanics Karl Gustafson

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## Sommario/riassunto

This volume collects articles in pure and applied analysis, partial differential equations, geometric analysis and stochastic and infinite-dimensional analysis. In particular, the contributors discuss integral and pseudo-differential operators, which play an important role in partial differential equations. Other methods of solving the partial differential equations are considered, such as the min-max approach to variational problems and boundary value problems. The foundations of quantum mechanics from the viewpoints of infinite-dimensional spaces and Bell's inequality and contraction are als

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