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	Nota di contenuto	Photo (Caption: Photography by Margaret Randall, February 2, 2004) -- Preface -- Acknowledgments -- Contents of Volume 1 -- Part I: Cora -- Remembering Corita... (Margaret Randall) -- Remembering Cora (Neil Hindman) -- Photo at MSRI (Caption: Dinner with MSRI's Human Resources Advisory Committee, November 10, 2004, at the house of Director David Eisenbud. Photo by Monika Eisenbud.) -- Part II: Survey Articles -- The two-weight inequality for the Hilbert transform: a primer (Michael Lacey) -- Singular integrals, rank one perturbations, and Clark model in general situation (Constance Liaw) -- Part III: Research Articles -- On two weight estimates for dyadic operators (Oleksandra Beznosova, Daewon Chung, Jean Moraes, and Maria Cristina Pereyra) -- Potential operators with mixed homogeneity (Calixto Calderon and Wilfredo Urbina) -- Elementary proofs of one weight norm inequalities for fractional integral operators and commutators (David Cruz-Uribe) -- Finding cycles in nonlinear

autonomous discrete dynamical systems (Dmitriy Dmitrishin, Anna Khamitova, Alex Stokolos, Michai Tohaneanu) -- Smooth analytic functions and model subspaces (Konstantin Dyakonov) -- Rational inner functions on a square-matrix polyball (Annatoli Grinshpam, Dmitry Kaliuzhnyi-Verbovetskyi, Victor Vinnikov, and Hugo Woerdeman) -- A note on local H•older continuity of weighted Tauberian functions (Paul Hagelstein and Ioanis Parissis) -- Three observations on commutators of singular integral operators with BMO functions (Carlos Perez and Ismael Rivera) -- Three observations on commutators of singular integral operators with BMO functions (Erik Sawyer, Chun-Yen Shen, and Ignacio Uriarte-Tuero) -- A Partition Function Connected with the G•ollnitz-Gordon Identities (Nicolas A. Smoot) -- On Toeplitz operators with quasi-radial and pseudohomogeneous symbols (Nikolai Vassilevskii) -- A bump theorem for weighted embedding and maximal operator: the Bellman function approach (Alexander Volberg) -- The necessity of A1 for translation and scale invariant almost-orthogonality (Mike Wilson).

| Sommario/riassunto | This book is the second of a two volume series. Covering a range of subjects from operator theory and classical harmonic analysis to Banach space theory, this book features fully-refereed, high-quality papers exploring new results and trends in weighted norm inequalities, Schur-Agler class functions, complex analysis, dynamical systems, and dyadic harmonic analysis. Graduate students and researchers in analysis will find inspiration in the articles collected in this volume, which emphasize the remarkable connections between harmonic analysis and operator theory. A survey of the two weight problem for the Hilbert transform and an expository article on the Clark model to the case of non-singular measures and applications to the study of rank-one perturbations are included. The material for this volume is based on the 13th New Mexico Analysis Seminar held at the University of New Mexico, April 3-4, 2014 and on several special sections of the Western Spring Sectional Meeting at the University of New Mexico, April 4-6,2014. During the event, participants honored the memory of Cora Sadosky—a great mathematician who recently passed away and who made significant contributions to the field of harmonic analysis. Cora was an exceptional scientist and human being. She was a world expert in harmonic analysis and operator theory, publishing over fifty-five research papers and authoring a major textbook in the field. Participants of the conference include new and senior researchers, recent doctorates as well as leading experts in the area. |