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Nota di contenuto	1 Barbarino, Spectral Measures -- 2 Garoni, Serra and Sesana, Block Locally Toeplitz Sequences: Construction and Properties -- 3 Garoni, Serra and Sesana, Block Generalized Locally Toeplitz Sequences: Topological Construction, Spectral Distribution Results, and Star-Algebra Structure -- 4 Tetryakov, E. Tyrtyshnikov and Ustimenko, On Matrix Subspaces with Trivial Quadratic Kernels -- 5 D. Fasino and E. Tyrtyshnikov, Error Analysis of TT-format Tensor Algorithms -- 6 B. Iannazzo, B. Jeuris and F. Pompili, The derivative of the matrix geometric mean and the factorization of tensor grids -- 7 Del Corso, Poloni, Robol and Vandebril, Factoring block Fiedler Companion Matrices -- 8 De Teran and Hernando, A class of companion pencils -- 9 Mastronardi, Taeter and Van Dooren, On computing eigenvectors of symmetric tridiagonal matrices -- 10 Kressner, A Krylov subspace method for the approximation of bivariate matrix functions -- 11 M. Benzi and F. Panjeh Ali Beik, Uzawa-type and augmented Lagrangian methods for double saddle point systems -- 12 Bergamaschi and Martinez: "Generalized block tuned preconditioners for SPD eigensolvers -- 13 N. Guglielmi and M. Manetta, Stability of gyroscopic

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Sommario/riassunto

This book gathers selected contributions presented at the INdAM Meeting Structured Matrices in Numerical Linear Algebra: Analysis, Algorithms and Applications, held in Cortona, Italy on September 4-8, 2017. Highlights cutting-edge research on Structured Matrix Analysis, it covers theoretical issues, computational aspects, and applications alike. The contributions, written by authors from the foremost international groups in the community, trace the main research lines and treat the main problems of current interest in this field. The book offers a valuable resource for all scholars who are interested in this topic, including researchers, PhD students and post-docs.
