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| Nota di contenuto | Contents -- Foreword -- Part V. Fast Algorithms -- The Schur algorithm for matrices with Hessenberg displacement structure -- Fast inversion algorithms for a class of block structured matrices -- A fast and stable solver for recursively semi-separable systems of linear equations -- Part VI. Numerical Issues -- Stability properties of several variants of the unitary Hessenberg QR algorithm -- Comparison of algorithms for Toeplitz least squares and symmetric positive definite linear systems -- Stability of Toeplitz matrix inversion formulas -- Necessary and sufficient conditions for accurate and efficient rational function evaluation and factorizations of rational matrices -- Updating and downdating of orthonormal polynomial vectors and some applications -- Rank-revealing decompositions of symmetric Toeplitz matrices -- Part VII. Iterative Methods. Preconditioners -- A survey of preconditioners for ill-conditioned Toeplitz systems -- Preconditioning of Hermitian block "Toeplitz-Toeplitz" block matrices by level-1 preconditioners -- Part VIII. Linear Algebra and Various Applications -- A generalization of the Perron-Frobenius theorem for non-linear perturbations of Stiltjes matrices -- The rhombus matrix: Definition and properties. |