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Nota di contenuto	Intro -- Preface -- Part I: Matrix and Operator Inequalities -- Part II: Orthogonality and Inequalities -- Part III: Inequalities Related to Types of Operators -- Part IV: Inequalities in Various Banach Spaces -- Part V: Inequalities in Commutative and Noncommutative Probability Spaces -- Contents -- Part I Matrix and Operator Inequalities -- Log-majorization Type Inequalities -- 1 Introduction -- 2 Matrix Majorization -- 3 Trace and Determinantal Inequalities -- 4 Golden-Thompson Inequality and Araki's Log-majorization -- 5 Ando-Hiai Inequality -- 6 BLP and Matharu-Aujla Inequalities -- 7 Inequalities for Operator Connections -- 8 Ando and Visick's Inequalities for the Hadamard Product -- 9 Indefinite Inequalities -- References -- Ando-Hiai Inequality: Extensions and Applications -- 1 Introduction -- 2 Extensions -- 3 Applications -- 4 Concluding Remarks -- References -- Relative Operator Entropy -- 1 Introduction -- 2 Operator Means and Solidarities -- 3 Relative Operator Entropy -- 4 CPR Geometry -- 5 Tsallis Relative Entropy -- 6 Concluding Remarks -- References -- Matrix Inequalities and Characterizations of Operator Monotone Functions -- 1 Introduction -- 2 Matrix Inequalities and

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