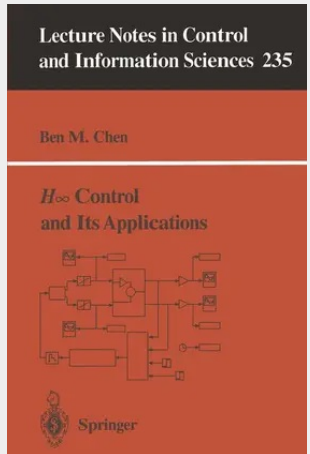


H_2 Control and Its Applications

H_∞ control theory is a subject that deals with the minimisation of the H_∞ norm of the transfer matrix from an exogenous disturbance to a pertinent controlled output of a given plant. **H_∞ Control and Its Applications** examines both the theoretical and practical aspects of H_∞ control from the angle of the structural properties of linear systems. Constructive algorithms for finding solutions to general singular H_∞ control problems are presented, as well as solutions to general H_∞ almost disturbance decoupling problems, and the applications of the theory to real-life problems with actual implementations is also presented. The book deals with all such issues for general continuous - and discrete-time systems. The book can be used in graduate courses in departments of aeronautics and astronautics, applied mathematics, chemical engineering, electrical engineering and mechanical engineering. It is also invaluable for practising engineers in industry.

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