<<结构动态设计的矩阵摄动理论>>

图书基本信息

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内容概要

A matrix perturbation theory in structural dynamic design is presented in this book The theory covers a broad spectrum of subjects, the perturbaion methods of the distinct eigenvalues and repeated/close eigenvalues, the perturbation methods of the complexmodes of systems with real unsymmetric matrices, the perturbation methods of the defective/near defective systems, random eigenproblem and the interval eigenproblem for the uncertain structures. The contents synthesized the most recent research results in the structural dynamics . Numerical examples are provided to illustrate the applicationsof the theory in this book. This book is recommended to graduates, engineers and scientist of mechanical, civil, aerospace, ocean and vehicle engineering.

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