论文

稳定摄动界与厂义Cramer法则

于年才⑴, 黄琳⑵

⑴北京大学力学系;⑵北京大学力学系

摘要　　本文分为四部分：１是引言，叙述研究这一问题的意义，
特别是对鲁棒分析的意义；２是必要的基本概念与广义Ｃｒａｍｅｒ法则；３，
４两部分分别研究了最小∞范数解和最小１范数解的理论和算法，
本文所得到的结果不仅对线性代数，而且对鲁棒控制、最优控制和线性规划有意义.

关键词　　稳定摄动界；广义Ｃｒａｍｅｒ法则；最小范
分类号

STABILITY PERTURBATION BOUND AND THE GENERALIZED CRAMER'S PRINCIPLE

YU NIAN-CAI(1),HUANG LIN(2)

(1)Department of Mechanics, Peking University,Beijing 100871;(2)Department of Mechanics, Peking University,Beijing 100871

Abstract　This paper is diveded into four parts. The first part is the introduction,which shows the significance of this paper,especially for robustness analysis.In the second part,we introduce the necessary concepts and the generalized Cramer's Principle.Parts three and four deal with the theory and algorithms of the least infinity-norm solution and the least one.nornsolution,respectively. The results presented in this paper are meaningful not only to Linear Algebra, but also to Robust Control,ptimal Control and Linear Programming.

Key words　Stability perturbation bound　generalized Cramer's Principle　least norm solution

DOI:

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