

论文

Banach 空间中 最小范数控制问题

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摘要 众所周知,最小能量控制问题在工程中具有重要意义,最小范数控制问题就是其一般形式.直观地说,最小范数控制问题是讨论以最小的“消费”来达到预期“目标”的问题.讨论分布参数系统

关键词

分类号

THE MINIMUM NORM CONTROL PROBLEMS IN BANACH SPACES

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(1)Harbin Normal University,150080;(2)In this paper,the minimum norm control problems for distributed parameter systems in Banach spaces are studied.By the method of geometry in Banach space,it is shown that the minimum norm control may be represented in a formal way whenever the i

Abstract In this paper,the minimum norm control problems for distributed parameter systems in Banach spaces are studied.By the method of geometry in Banach space,it is shown that the minimum norm control may be represented in a formal way whenever the input space is re-flexive,smooth and strictly convex;thus,the analysis and calculation of the minimum norm control becomes easy with the formal representation.

Key words

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