

论文

VIBRATIONAL SYSTEMS OF A CLASS OF THIN CYLINDRICAL SHELLS

ZHU Ziqing, CHEN Qinyi, ZIANG Weiheng

Huazhong Universit of Science and Technology, Wuhan 430074, China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 The vibration of thin circular cylindrical shells has been studied extensively. In this paper, the existence and uniqueness of the solution of this system are proved by means of semigroup theory on the Hilbert space, and the eigenvalue problem is discussed. This offers a theoretical basis for solving this kind of engineering problems.

关键词 [Vibration,C0 semigroups,spectrum](#)

分类号

VIBRATIONAL SYSTEMS OF A CLASS OF THIN CYLINDRICAL SHELLS

ZHU Ziqing, CHEN Qinyi, ZIANG Weiheng

Huazhong Universit of Science and Technology, Wuhan 430074, China

Abstract The vibration of thin circular cylindrical shells has been studied extensively. In this paper, the existence and uniqueness of the solution of this system are proved by means of semigroup theory on the Hilbert space, and the eigenvalue problem is discussed. This offers a theoretical basis for solving this kind of engineering problems.

Key words [Vibration](#) [C0 semigroups](#) [spectrum](#)

DOI:

通讯作者

扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(0KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献](#)

服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

相关信息

- ▶ 本刊中 包含 “[Vibration,C0 semigroups,spectrum](#)”的 [相关文章](#)
- ▶ 本文作者相关文章
 - [ZHU Ziqing](#)
 - [CHEN Qinyi](#)
 - [ZIANG Weiheng](#)