



航空学报 » 1991, Vol. 12 » Issue (5) :303-309 DOI:

论文

最新目录 | 下期目录 | 过刊浏览 | 高级检索

<< Previous Articles | Next Articles >>

拉-拉应力条件下蠕变-疲劳寿命预测

苏翰生, 何晋瑞

北京航空材料研究所

CREEP-FATIGUE LIFE PREDICTION UNDER THE CONDITION OF TENSION-TENSION STRESS

Su Hangshfeng, He Jinrui

Beijing University of AeronauticsAstronautics

摘要

参考文献

相关文章

Download: PDF (0KB) HTML 0KB Export: BibTeX or EndNote (RIS) Supporting Info

摘要 本文讨论了应变能区分法(SEP),应变范围区分法(SRP),Ostergre M(OM)和频率修改法(FM)在拉-拉应力条件下应用的可行性。分析了滞后环为半开环状态下通过实验测量获得寿命预测所需的应变分量。叙述了应变能区分法(SEP)的数值计算方法(SEP-NCM)应用的有效性和预测能力。

关键词: 拉-拉应力 应变能模型 蠕变-疲劳 数值计算

Abstract: This feasibility of application of Strain Energy Partitioning (SEP), Strain Range Partitioning(SRP), Ostergren M (OM) and Frequence Modified method(FM) to tension-tension stress condition were discussed. In case of the hysteresis loop half-opened, strain components for life prediction obtained by means of experiment measurement had been analysed. The effectiveness and predictcapability by using Numerical Computational Method of SEP (SEP-NCM) were described.

Keywords: tension-tension stress strain energy model creep-fatigue numerical compute

Received 1990-02-17; published 1991-05-25

引用本文:

苏翰生;何晋瑞. 拉-拉应力条件下蠕变-疲劳寿命预测[J]. 航空学报, 1991, 12(5): 303-309.

Su Hangshfeng; He Jinrui. CREEP-FATIGUE LIFE PREDICTION UNDER THE CONDITION OF TENSION-TENSION STRESS[J]. Acta Aeronautica et Astronautica Sinica, 1991, 12(5): 303-309.

Service

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ Email Alert
- ▶ RSS

作者相关文章

- ▶ 苏翰生
- ▶ 何晋瑞