



航空学报 » 1998, Vol. 19 » Issue (5) :106-109 DOI:

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### 采用超程时间建模的航空航天继电器寿命预测方法的研究

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### RESEARCH ON RELIABILITY LIFE FORECASTING BASED ON MODEL BUILDING OF SUPER PATH TIME FOR AEROSPACE RELAYS

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摘要

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摘要 提出以电磁继电器超程时间为变量, 运用时间序列回归分析和数理统计分析方法, 建立航天密封继电器超程时间减小曲线寿命预测数学模型。预测和实测结果的比较, 表明了该方法的有效性。

关键词: 继电器 可靠性 寿命预测 时间序列 超程时间

Abstract: This paper proposes a method which takes aerospace relay super path time as a variable and applies time series regression analysis and mathematical statistics analysis to build an aerospace relay super path time reliability life forecasting mathematical model. The effectiveness of the method is proved by comparison between the forecasting and experimenting results.

Keywords: relay reliability life forecasting time series super-path time

Received 1997-12-08; published 1998-10-25

引用本文:

翟国富; 赵新民; 刘茂恺; 张德双. 采用超程时间建模的航空航天继电器寿命预测方法的研究[J]. 航空学报, 1998, 19(5): 106-109.

Zhai Guofu; Zhao Xinmin; Liu Maokai; Zhang Deshuang. RESEARCH ON RELIABILITY LIFE FORECASTING BASED ON MODEL BUILDING OF SUPER PATH TIME FOR AEROSPACE RELAYS[J]. Acta Aeronautica et Astronautica Sinica, 1998, 19(5): 106-109.

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