短文

不可"修复如新"的两相依部件的并联系统的可靠性分析

吴少敏,万德钧,黄仁

东南大学仪器系,南京

摘要
研究了两相依部件的并联可修系统,在部件的故障分布服从二维指数分布、两个维修分布为一般分布、且故障部件不能"修复如新的假设下",利用几何过程和补充变量法求出了该系统的主要可靠性指标.

关键词　　几何过程　补充变量法　可靠性

分类号

Reliability Analysis of a Two-Dependentunit System Without Being Repaired "As Possible As New"

Wu Shaomin,Wan Dejun,Huang Ren

Dept.of Instrument Science&Engineering Southeast Univarsizy Nanjing

Abstract
This paper considers a two-depandent-unit system in which the life distributions of the two units are assumed to be a two-dimensional exponential distribution, and the repair distributions to be general distributions. Under this assumption, the failure units can not be repaired "as possible as new", by using geometric process and method of supplementary variable, some reliability indices are derived.

Key words　Geometric process　method of supplementary　raliability

DOI :

通讯作者

作者个人主页　　吴少敏;万德钧;黄仁

扩展功能
本文信息
▸ Supporting info
▸ PDF(375KB)
▸ [HTML全文](0KB)
▸ 参考文献[PDF]
▸ 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"几何过程"的 相关文章
▸本文作者相关文章
· 吴少敏
· 万德钧
· 黄仁