短文

n中取相邻k系统可靠性及街灯照明系统维修策略

廖炯生

中国空间技术研究院北京控制工程研究所,北京

摘要
本文从″n中取相邻k坏(好)″系统的等效网络出发,提出统一采用工程界熟知的不交最小割(路)集法计算其可靠度,讨论了在k≤n≤2k条件下大型系统的简化计算,以及n中取相邻 2坏的街灯照明系统的维修策略.
关键词　 n中取相邻k系统　 可靠性　维修策略
分类号

Reliability of Consecutive-k-Out-of-n:F/G Systems and a MAaintainence Strategy for Street Lamp Systems

Liao Jiongsheng

Beijing Institute of Control Engineering,Chinese Academy of Space Technology

Abstract
Based on the equivalent network of consecutive-k-out-of-n:F/G systems, the approach of disjoint minimum cut sets (path sets) is presented for computing the reliability of these systems, and the simplification of reliability computations for large systems on the condition k≤n≤2k is discussed. Finally, a maintenence strategy for street lamp systems is explored this article.
Key words　 Consecutive-k-out-of-n:F/G　 reliability　 maintainence strategy

DOI：

扩展功能
本文信息
▶ Supporting info
▶ PDF(308KB)
▶ [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"n中取相邻k系统" 的 相关文章
▶本文作者相关文章
· 廖炯生

通讯作者

作者个人主页　　廖炯生