

<<维修管理决策模型>>

图书基本信息

书名：<<维修管理决策模型>>

13位ISBN编号：9787030222626

10位ISBN编号：7030222628

出版时间：2008-6

出版时间：科学出版社

作者：蒋仁言，默西（Murthy，D.N.P.） 著

页数：308

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<维修管理决策模型>>

内容概要

本书是一本维修理论方面的学术专著。

全书共十五章，内容包括：可靠性与维修建模、分析和优化的基本概念和基本知识、各种维修政策和模型、维修和生产的协调、维修后勤管理（包括配件管理、维修调度等）、维修方法论、维修思想的评估与开发以及维修性能连续改进的方法、外包维修有关的论题、产品维修性有关的论题，以及维修管理系统和软件。

本书内容新颖、全面、系统，强调理论联系实际和定量分析。

本书可供工程、管理和应用数学等各相关专业的教师、高年级本科生和研究生参考，也可供从事可靠性研究和设备维修管理的相关科研人员、企业工程技术人员和产品研发人员阅读。

<<维修管理决策模型>>

书籍目录

Preface Acknowledgements Chapter 1 : An Overview 1.1 Introduction 1.2 Equipment Maintenance 1.2.1 Effect of Operational Load 1.2.2 Maintenance of Complex System 1.3 Terminology 1.4 Maintenance Management 1.5 Focus of the Book 1.6 Outline of the Book Exercises for Chapter 1 Chapter 2: Reliability—Concepts and Modelling 2.1 Introduction 2.2 Basic Concepts 2.2.1 Failure, Fault and Failure Mode 2.2.2 Failure Cause and Severity 2.2.3 Reliability 2.2.4 Reliability Theory 2.3 Reliability Modelling 2.3.1 Approaches to Modelling 2.3.2 Modelling Process [Black-box Approach]~ 2.4 Component Level Modelling [Black-box Approach] 2.4.1 Failure Distribution, Density and Hazard Rate Functions 2.4.2 Model Selection 2.4.3 Parameter Estimation 2.4.4 Model Validation 2.4.5 Illustrative Examples 2.4.6 Modelling Environmental Effects 2.5 Component Level Modelling [White-box Approach] 2.6 System Level Modelling I-Black-box Approach] 2.7 System Level Modelling [EWhite-box Approach] 2.7.1 Fault Tree Analysis (FTA) 2.7.2 Structure Function 2.8 Modelling Subsequent Failures 2.9 Other Topics 2.9.1 Two-dimensional Failure Models 2.9.2 Multi-unit System with Failure Dependence 2.9.3 Failure Interactions Exercises for Chapter 2 Chapter 3 : Maintenance--Concepts and Modelling 3.1 Introduction 3.2 Maintenance Concepts and Decisions 3.2.1 Maintenance Classification 3.2.2 Types of CM Actions 3.2.3 Types of PM Actions 3.2.4 Maintenance Decisions 3.3 Maintenance Policies 3.3.1 Policies Involving Only CM Actions 3.3.2 Policies Involving both PM and CM Actions 3.4 Modelling Failures 3.4.1 Policy1 3.4.2 Policy2 3.5 Maintenance Costs 3.5.1 Direct Costs 3.5.2 Indirect Costs 3.5.3 Modelling Maintenance Costs Exercises for Chapter 3 Chapter 4: Maintenance Optimisation 4.1 Introduction 4.2 Decision Variables of Maintenance Policies 4.3 Performance Measures 4.3.1 Availability Based 4.3.2 Reliability Based 4.3.3 Financial Based Chapter 5: Basic Policies for Single Unit Systems Chapter 6: Extensions to Basic Policies for Single Unit System Chapter 7: Condition-based Maintenance Chapter 8: Maintenance of Multi-component Systems Chapter 9: Fleet Maintenance Chapter 10: Maintenance and Production Chapter 11: Maintenance Logistics Chapter 12: Maintenance Strategy and Continuous Improvement Process Chapter 13: Maintenance Outsourcing Chapter 14: Maintainability Chapter 15: Maintenance Management Systems Appendix A: WPP Plots Appendix B: Introduction to Point Processes Appendix C: Optimization Appendix D: Monte Carlo Simulation Appendix E: Evaluating Renewal Function References Acronyms List of Maintenance Policies Subject List

<<维修管理决策模型>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>