<<系统建模与仿真>>

图书基本信息

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内容概要

Computer simulation is a discipline of designing a model of an actual or theoreticalphysicalsystem, executingexperimentsonthecomputer, analyzing the simulated outputs, and optimizing the system. It is a powerful tool that is often applied to the design and analysis and optimization of complex systems.

This book aims to give a fundamental knowledge about the system concepts, systemmodelingmethodology, andcomputersimulation technology. The main contents of the book are about the technology and application of the Witness simulation software of the Lanner Groups. The ACD (Activity Cycle Diagram) based system analysis and modeling, and the computerized modeling with the Witness' Elements, Rules, Actions, etc.are discussed. Some examples have presented and explained in order to make the contents more understandable.

This manuscript is firstly prepared in 2005. After two years' teaching in the Industrial Engineering classes of Zhejiang University, several thorough modifications have been made and this is the third vcrsi0n.

This book is hoped useful for the Chinese universities to have a bilingual course about the System Modeling and Simulation, and also useful for the users of the Witness software.

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