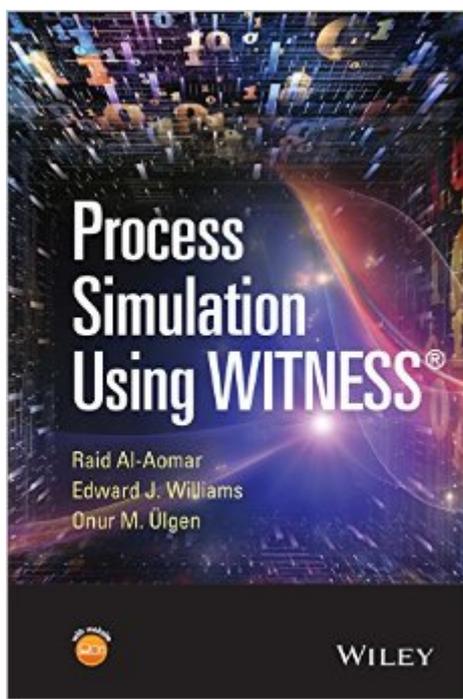


The book was found

Process Simulation Using WITNESS



Synopsis

Teaches basic and advanced modeling and simulation techniques to both undergraduate and postgraduate students and serves as a practical guide and manual for professionals learning how to build simulation models using WITNESS, a free-standing software package. This book discusses the theory behind simulation and demonstrates how to build simulation models with WITNESS. The book begins with an explanation of the concepts of simulation modeling and a "guided tour" of the WITNESS modeling environment. Next, the authors cover the basics of building simulation models using WITNESS and modeling of material-handling systems. After taking a brief tour in basic probability and statistics, simulation model input analysis is then examined in detail, including the importance and techniques of fitting closed-form distributions to observed data. Next, the authors present simulation output analysis including determining run controls and statistical analysis of simulation outputs and show how to use these techniques and others to undertake simulation model verification and validation. Effective techniques for managing a simulation project are analyzed, and case studies exemplifying the use of simulation in manufacturing and services are covered. Simulation-based optimization methods and the use of simulation to build and enhance lean systems are then discussed. Finally, the authors examine the interrelationships and synergy between simulation and Six Sigma. Emphasizes real-world applications of simulation modeling in both services and manufacturing sectors Discusses the role of simulation in Six Sigma projects and Lean Systems Contains examples in each chapter on the methods and concepts presented

Process Simulation Using WITNESS is a resource for students, researchers, engineers, management consultants, and simulation trainers.

Book Information

File Size: 45510 KB

Print Length: 559 pages

Page Numbers Source ISBN: 0470371692

Publisher: Wiley; 1 edition (August 28, 2015)

Publication Date: August 28, 2015

Sold by: Digital Services LLC

Language: English

ASIN: B014SV8EMC

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,284,905 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #224

in Kindle Store > Engineering & Transportation > Engineering > Materials & Material Science >

Extraction & Processing #358 in Kindle Store > Kindle eBooks > Engineering & Transportation >

Engineering > Materials Science #5218 in Kindle Store > Kindle eBooks > Business & Money >

Management & Leadership > Leadership

[Download to continue reading...](#)

Process Simulation Using WITNESS Separation Process Principles with Applications Using Process

Simulators Fortran Programs for Chemical Process Design, Analysis, and Simulation Analog Design

and Simulation using OrCAD Capture and PSpice FinFET Modeling for IC Simulation and Design:

Using the BSIM-CMG Standard Interpersonal Process in Therapy: An Integrative Model (Skills,

Techniques, & Process) Groups: Process and Practice, 9th Edition (HSE 112 Group Process I)

Groups: Process and Practice (HSE 112 Group Process I) Listening to Killers: Lessons Learned

from My Twenty Years as a Psychological Expert Witness in Murder Cases The Huron-Wendat

Feast of the Dead: Indian-European Encounters in Early North America (Witness to History) The

Huron-Wendat Feast of the Dead (Witness to History) A Guide to Forensic Testimony: The Art and

Practice of Presenting Testimony As An Expert Technical Witness Slaves, Soldiers and Saints: Two

Hundred Years of Baptist Witness in Trinidad: 1816-2016 Salvador Witness: The Life and Calling of

Jean Donovan Silent Witness: The Karla Brown Murder Case Witness Preparation: A manual for

attorneys Witness to the Revolution: Radicals, Resisters, Vets, Hippies, and the Year America Lost

Its Mind and Found Its Soul Bearing Witness: Violence and Collective Responsibility Witness Guide

for Deposition or Court (CustodySource Books Book 2) Manual of Confidential Deposition

Instructions for the Expert Witness

[Dmca](#)