

Performance Modeler User Guide

From the December 1998 symposium of the same name come 11 contributions which explore the role ASTM (an international developer of technical and materials standards) can play in the propagation of performance-based fire codes and standards in the United States and Canada (codes and standards already

This newly revised and updated edition of a classic Artech House book offers a current and complete introduction to the analysis and design of Electro-Optical Systems (EO) imaging systems. The Second Edition provides numerous updates and brand new coverage of today's most important areas, including the integrated spatial frequency approach and a focus on the weapons of terrorists as objects of interest. This comprehensive reference details the principles and components of the Linear Shift-Invariant (LSI) infrared and electro-optical systems and shows you how to combine this approach with calculus and domain transformations to achieve a successful imaging system analysis. Ultimately, the steps described in this book lead to results in quantitative characterizations of performance metrics such as modulation transfer functions, minimum resolvable temperature difference, minimum resolvable contrast, and probability of object discrimination. The book includes an introduction to two-dimensional functions and mathematics which can be used to describe image transfer characteristics and imaging system components. You also learn diffraction concepts of coherent and incoherent imaging systems which show you the fundamental limits of their performance. By using the evaluation procedures contained in this desktop reference, you become capable of predicting both sensor test and field performance and quantifying the effects of component variations. This practical resource includes over 780 time-saving equations.

Organizations are pressured constantly to understand and react quickly to information. In addition, the complexity and volumes of data for all aspects of the environments in which organizations operate is increasing. Markets, regulatory environments, customer and supplier data, competitive information, and internal operational information all impact how data is viewed and interpreted. With a capable and efficient business intelligence (BI) solution, all levels of an organization can receive information how, when, and where they need it to make faster and better aligned decisions. Every user can have access to all the capabilities of the BI solution, and often organizations can determine a user's business need to access information using typical characteristics that are defined by that user's role. Many organizations often satisfy this complexity and these diverse demands with a number of point solutions. With IBM® Cognos® Business Intelligence (BI), you can satisfy needs throughout the user community and ensure that everyone can work and collaborate from a consistent set of data. In addition, IT is simplified with fewer components to deploy, manage, and maintain. Organizations need to make the most of a workforce that is increasingly driven to multi-task, network, and collaborate. IBM Cognos BI delivers analytics that everyone in the organization can use to answer key business questions. This IBM Redguide™ publication highlights features of IBM Cognos BI version 10.1.

Initially, computer systems performance analyses were carried out primarily because of limited resources. Due to ever increasing functional complexity of computational systems and user requirements, performance engineering continues to play a major role in software development. This book assesses the state of the art in performance engineering. Besides revised chapters drawn from two workshops on performance engineering held in 2000, additional chapters were solicited in order to provide complete coverage of all relevant aspects. The first part is devoted to the relation between software engineering and performance engineering; the second part focuses on the use of models, measures, and tools; finally, case studies with regard to concrete technologies are presented. Researchers, professional

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software engineers, and advanced students interested in performance analysis will find this book an indispensable source of information and reference.

From traditional topics that form the core of industrial electronics, to new and emerging concepts and technologies, The Industrial Electronics Handbook, in a single volume, has the field covered. Nowhere else will you find so much information on so many major topics in the field. For facts you need every day, and for discussions on topics you have only dreamed of, The Industrial Electronics Handbook is an ideal reference.

The 17th European Symposium on Computed Aided Process Engineering contains papers presented at the 17th European Symposium of Computer Aided Process Engineering (ESCAPE 17) held in Bucharest, Romania, from 27-30 May 2007. The ESCAPE series serves as a forum for scientists and engineers from academia and industry to discuss progress achieved in the area of Computer Aided Process Engineering (CAPE). The main goal was to emphasize the continuity in research of innovative concepts and systematic design methods as well the diversity of applications emerged from the demands of sustainable development. ESCAPE 17 highlights the progress software technology needed for implementing simulation based tools. The symposium is based on 5 themes and 27 topics, following the main trends in CAPE area: Modelling, Process and Products Design, Optimisation and Optimal Control and Operation, System Biology and Biological Processes, Process Integration and Sustainable Development. Participants from 50 countries attended and invited speakers presented 5 plenary lectures tackling broad subjects and 10 keynote lectures. Satellite events added a plus to the scientific dimension to this symposium. * All contributions are included on the CD-ROM attached to the book * Attendance from 50 countries with invited speakers presenting 5 plenary lectures tackling broad subjects and 10 keynote lectures

This book presents today's most powerful signal processing techniques together with methods for assessing imaging system performance when each of these techniques is applied. This multi-use book helps you make the most of sensor hardware through software enhancement, and evaluate system and algorithm performance. You also learn how to make the best hardware/software decisions in developing the next-generation of image acquisition and analysis systems. The Quick Start Reference Guide provides an overview of the installation and evaluation process, and additional resources.

The R Integration Pack User Guide facilitates the deployment of analytics from the R statistical environment to MicroStrategy. It is intended to help MicroStrategy users extend the analytical features of the MicroStrategy platform using the capabilities of the R platform.

This IBM® Redbooks® publication series explains the assessment and implementation of a workload, integrated within IBM Smarter Banking® Showcase, and hosted at IBM Montpellier, France. Intended for decision-makers, consultants, architects, administrators, and specialists, this book is the second volume in a series of two: Assessment: Volume 1 (SG24-8007) describes how to evaluate the requirements of a new Smarter Analytics workload, addressing the

user, system resources, and data processing profiles to identify the most optimal configuration by using IBM methodologies, such as fit-for-purpose. Given that the existing showcase is based on the IBM zEnterprise® System, deployment options include IBM z/OS®, Linux on IBM System z®, IBM AIX® running on IBM POWER® processor-based blades within the zEnterprise BladeCenter® Extension (zBX), and Windows Server 2008 running on System x® and BladeCenter blades also within zBX. Implementation: Volume 2 (SG24-8008), which you are reading, describes the setups that are involved in deploying the Smarter Analytics workload within the showcase. With multiple components, including IBM Cognos® BI, IBM Cognos TM1®, Cognos Metric Studio, IBM DB2® for z/OS, and a number of application design tools, the workload spans multiple operating environments. The use of application clustering, setting up performance policies by using Unified Resource Manager, and simulation test execution results are included.

Designed to assist facility managers, state & tribal environmental managers, & the public to evaluate & choose protective practices for managing industrial waste in new landfills, waste piles, surface impoundments, & land application units. Identifies the components of a sound waste management system & the reasons why each is important. Also includes groundwater & air models, as well as other tools to help tailor waste management practices to a particular facility. This guidance reflects 4 underlying principles: protect human health & the environment; tailor management practices to risks; affirm state & tribal leadership; & foster a partnership.

The MicroStrategy Office User Guide covers the instructions for using MicroStrategy Office to work with MicroStrategy reports and documents in Microsoft® Excel, PowerPoint, Word, and Outlook, to analyze, format, and distribute business data.

The Improved Performance Research Integration Tool (IMPRINT) was developed by Alion Science and Technology for the Army Research Laboratory (ARL) Human Research and Engineering Directorate (HRED). This manual describes the professional version of IMPRINT, named IMPRINT Pro. IMPRINT Pro is government owned and consists of a set of automated aids to assist analysts in conducting human performance analyses. IMPRINT Pro provides the means for estimating manpower, personnel, and training (MPT) requirements and constraints for new weapon systems very early in the acquisition process. By allowing the incorporation of robust task analyses and associated data into a dynamic simulation environment, IMPRINT enables analysts to quantitatively predict the impact of human systems integration (HSI) variables (manpower, personnel, training, and human factors based interface design) against total system performance.

This is a users manual for VSMOKE, a computer program for predicting the smoke and dry weather visibility impact of a single prescribed fire at several downwind locations. VSMOKE is a FORTRAN 77 program that depends on the input in file VSMOKE.IPT to generate output in file VSMOKE.OUT. VSMOKE is based on steady-state Gaussian plume modeling principles compatible with those used by the U.S. Environmental Protection Agency. VSMOKE is uniquely tailored as a plume model for a low to moderate intensity ground fire as an emission source.

A vital resource for pilots, instructors, and students, from the most trusted source of

aeronautic information.

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Rob Smith quantifies the financial value of Real Options in the form of operational and managerial flexibility in the real-life world of the global automotive industry using an existing, operational supply chain specifically designed to support world car vehicle platform production. **HANDBOOK of IMPROVING PERFORMANCE IN THE WORKPLACE Volume 2: Selecting and Implementing Performance Interventions** In this groundbreaking volume, leading practitioners and scholars from around the world provide an authoritative review of the most up-to-date information available on performance interventions, all presented within a holistic framework that helps ensure the accomplishment of significant results. Addressing more than 30 performance interventions, with such varied topics as Incentive Systems, e-Learning, Succession Planning and Executive Coaching, this volume guides readers through the development of comprehensive performance improvement systems. Each chapter illustrates in practical terms how to select, plan, implement, and manage performance interventions, as well as how to evaluate their results. Through best practices research, comparative analysis, illustrative case studies from around the world, and editorial guidance on how to link together diverse interventions, the handbook is an important guide for achieving desired results in the workplace and beyond. Sponsored by International Society for Performance Improvement (ISPI), the Handbook of Improving Performance in the Workplace, three-volume reference, covers three main areas of interest including Instructional Design and Training Delivery, Selecting and Implementing Performance Interventions, and Measurement and Evaluation. **Business Process Modeling Notation (BPMN)** is a standard, graphical modeling representation for business processes. It provides an easy to use, flow-charting notation that is independent of the implementation environment. An underlying rigor supports the notation-facilitating the translation of business level models into executable models that BPM Suites and workflow engines can understand. Over recent years, BPMN has been widely adopted by Business Process Management (BPM) related products-both the Business Process Analysis and Modeling tool vendors and the BPM Suites. This book is for business users and process modeling practitioners alike. Part I provides an easily understood introduction to the key components of BPMN (put forward in a user-friendly fashion). Starting off with simple models, it progresses into more sophisticated patterns. Exercises help cement comprehension and understanding (with answers available online). Part II provides a detailed and authoritative reference on the precise semantics and capabilities of the standard.

One of the first books to provide a comprehensive description of OPNET IT Guru and Modeler software, **The Practical OPNET User Guide for Computer Network Simulation** explains how to use this software for simulating and modeling computer networks. The included laboratory projects help readers learn different aspects of the software in a hands-on way.Q

Explains how to create and manage performance management solutions using IBM Cognos TM1, covering such topics as planning, forecasting, and scenario analytic solutions.

This book constitutes the refereed proceedings of the 15th International Conference on Advanced Information Systems Engineering, CaiSE 2003, held in Klagenfurt, Austria in June 2003. The 45 revised full papers presented together with 3 invited contributions were carefully reviewed and selected from 219 submissions. The papers are organized in topical sections on XML, methods and models for information systems, UML, Internet business and social modeling, peer-to-peer systems, ontology-based methods, advanced design of information systems, knowledge, knowledge management, Web

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services, data warehouses, electronic agreements and workflow, requirements engineering, metrics and method engineering, and agent technologies and advanced environments.

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