



COMPUTING FOR NUMERICAL METHODS USING **VISUAL C++**

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Computing For Numerical Methods Using Visual C

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Computing For Numerical Methods Using Visual C :

Computing for Numerical Methods Using Visual C++ Shaharuddin Salleh, Albert Y. Zomaya, Sakinah A.

Bakar, 2007-12-10 A visual interdisciplinary approach to solving problems in numerical methods Computing for Numerical Methods Using Visual C fills the need for a complete authoritative book on the visual solutions to problems in numerical methods using C In an age of boundless research there is a need for a programming language that can successfully bridge the communication gap between a problem and its computing elements through the use of visualization for engineers and members of varying disciplines such as biologists medical doctors mathematicians economists and politicians This book takes an interdisciplinary approach to the subject and demonstrates how solving problems in numerical methods using C is dominant and practical for implementation due to its flexible language format object oriented methodology and support for high numerical precisions In an accessible easy to follow style the authors cover Numerical modeling using C Fundamental mathematical tools MFC interfaces Curve visualization Systems of linear equations Nonlinear equations Interpolation and approximation Differentiation and integration Eigenvalues and Eigenvectors Ordinary differential equations Partial differential equations This reader friendly book includes a companion Web site giving readers free access to all of the codes discussed in the book as well as an equation parser called MyParser that can be used to develop various numerical applications on Windows Computing for Numerical Methods Using Visual C serves as an excellent reference for students in upper undergraduate and graduate level courses in engineering science and mathematics It is also an ideal resource for practitioners using Microsoft Visual C

Simulation for Applied Graph Theory Using Visual C++ Shaharuddin

Salleh, Zuraida Abal Abas, 2016-08-19 The tool for visualization is Microsoft Visual C This popular software has the standard C combined with the Microsoft Foundation Classes MFC libraries for Windows visualization This book explains how to create a graph interactively solve problems in graph theory with minimum number of C codes and provide friendly interfaces that makes learning the topics an interesting one Each topic in the book comes with working Visual C codes which can easily be adapted as solutions to various problems in science and engineering

Numerical Simulations and Case Studies Using Visual C++, .Net Shaharuddin Salleh, Albert Y. Zomaya, Stephan Olariu, Bahrom Sanugi, 2006-04-20 Master the numerical simulation process required to design test and support mobile and parallel computing systems An accompanying ftp site contains all the Visual C based programs discussed in the text to help readers create their own programs With its focus on problems and solutions this is an excellent text for upper level undergraduate and graduate students and a must have reference for researchers and professionals in the field of simulations More information about Visual C based programs can be found at ftp.wiley.com/public/sci_tech_med/numerical_simulations

Algorithms and Protocols for Wireless and Mobile Ad Hoc Networks Azzedine Boukerche, 2009 Focuses on several aspects of wireless ad hoc networks particularly algorithmic methods and distributed computing with mobility and computation capability This book provides the crucial

building foundation for the design and construction of the future generation of ad hoc networks **Choice** ,2009
Proceedings of the ... Annual ACM-SIAM Symposium on Discrete Algorithms ,1999 **Dr. Dobb's Journal** ,2002
UNIX Review's Performance Computing ,1999 *Subject Guide to Books in Print* ,2001 **New York State Journal of**
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AIAA Journal American Institute of Aeronautics and Astronautics,2005 **NASA SP.** ,1988

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