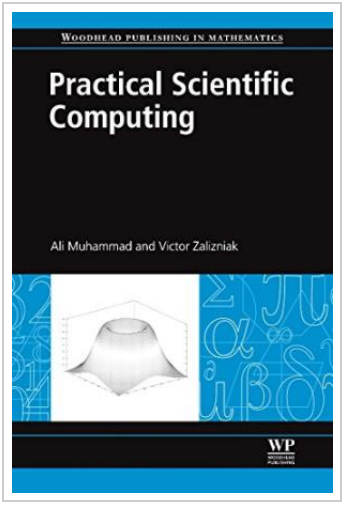

Practical Scientific Computing (Paperback)

By Ali Muhammad, Victor Zalizniak

ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 2011. Paperback. Condition: New. New.. Language: English . Brand New Book. Scientific computing is about developing mathematical models, numerical methods and computer implementations to study and solve real problems in science, engineering, business and even social sciences. Mathematical modelling requires deep understanding of classical numerical methods. This essential guide provides the reader with sufficient foundations in these areas to venture into more advanced texts.The first section of the book presents numEclipse, an open source tool for numerical computing based on the notion of MATLAB (R). numEclipse is implemented as a plug-in for Eclipse, a leading integrated development environment for Java programming. The second section studies the classical methods of numerical analysis. Numerical algorithms and their implementations are presented using numEclipse.Practical scientific computing is an invaluable reference for undergraduate engineering, science and mathematics students taking numerical methods courses. It will also be a useful handbook for postgraduate researchers and professionals whose work involves scientific computing.

Reviews

Thorough guideline for publication fanatics. Better then never, though i am quite late in start reading this one. I am just effortlessly could possibly get a delight of reading a created book.

-- ***Terry Bailey***

The book is great and fantastic. I could comprehended almost everything using this published e publication. I am just very happy to explain how here is the very best ebook i have study inside my very own existence and could be he greatest book for ever.

-- ***Mekhi Marvin DVM***