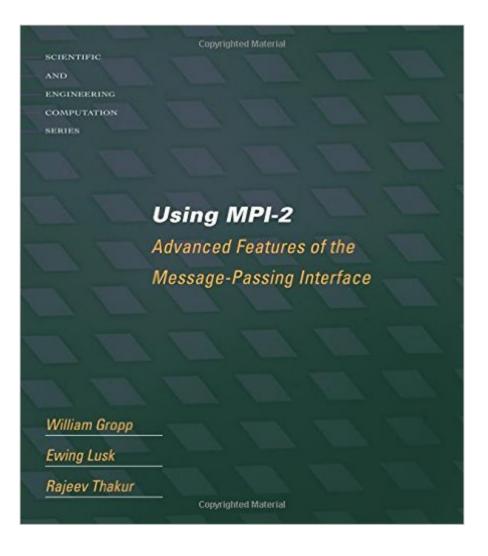
# The book was found

# Using MPI-2: Advanced Features Of The Message Passing Interface (Scientific And Engineering Computation)





## Synopsis

The Message Passing Interface (MPI) specification is widely used for solving significant scientific and engineering problems on parallel computers. There exist more than a dozen implementations on computer platforms ranging from IBM SP-2 supercomputers to clusters of PCs running Windows NT or Linux ("Beowulf" machines). The initial MPI Standard document, MPI-1, was recently updated by the MPI Forum. The new version, MPI-2, contains both significant enhancements to the existing MPI core and new features.Using MPI is a completely up-to-date version of the authors' 1994 introduction to the core functions of MPI. It adds material on the new C++ and Fortran 90 bindings for MPI throughout the book. It contains greater discussion of datatype extents, the most frequently misunderstood feature of MPI-1, as well as material on the new extensions to basic MPI functionality added by the MPI-2 Forum in the area of MPI datatypes and collective operations.Using MPI-2 covers the new extensions to basic MPI. These include parallel I/O, remote memory access operations, and dynamic process management. The volume also includes material on tuning MPI applications for high performance on modern MPI implementations.

### **Book Information**

Series: Scientific and Engineering Computation Paperback: 406 pages Publisher: The MIT Press; 1st edition (November 26, 1999) Language: English ISBN-10: 0262571331 ISBN-13: 978-0262571333 Product Dimensions: 7.8 x 1 x 9 inches Shipping Weight: 1.6 pounds (View shipping rates and policies) Average Customer Review: 3.0 out of 5 stars Â See all reviews (2 customer reviews) Best Sellers Rank: #1,174,107 in Books (See Top 100 in Books) #109 in Books > Computers & Technology > Programming > Parallel Programming #723 in Books > Computers & Technology > Networking & Cloud Computing > Data in the Enterprise #6545 in Books > Computers & Technology > Computer Science

#### **Customer Reviews**

Thanks! Arrived as advertised.

The paper and printing of the book is terrible. Some letters in the book are twisted and make the

reader uncomfortable. The paper is really thin. It seems to be printed in some cheap factory. Do NOT buy it from if you can get it somewhere else.

#### Download to continue reading...

Using Advanced MPI: Modern Features of the Message-Passing Interface (Scientific and Engineering Computation) Using MPI-2: Advanced Features of the Message Passing Interface (Scientific and Engineering Computation) Using MPI - 2nd Edition: Portable Parallel Programming with the Message Passing Interface (Scientific and Engineering Computation) MPI: The Complete Reference (Vol. 2), Vol. 2 - The MPI-2 Extensions Using OpenMP: Portable Shared Memory Parallel Programming (Scientific and Engineering Computation) Parallel Scientific Computing in C++ and MPI: A Seamless Approach to Parallel Algorithms and their Implementation Modern Fortran Explained (Numerical Mathematics and Scientific Computation) 4th (Fourth) Edition Fortran 95/2003 Explained (Numerical Mathematics and Scientific Computation) axiom(TM): The Scientific Computation System Large Eddy Simulation for Compressible Flows (Scientific Computation) Advanced Windows Nt: The Developer's Guide to the Win32 Application Programming Interface/Book and Disk Diversity and the Tropical Rain Forest: A Scientific American Library Book (Scientific American Library Series) Common LISP: A Gentle Introduction to Symbolic Computation (Dover Books on Engineering) A Primer For The Mathematics Of Financial Engineering, Second Edition (Financial Engineering Advanced Background Series) Solutions Manual - A Linear Algebra Primer for Financial Engineering (Financial Engineering Advanced Background Series) (Volume 4) AIX V6 Advanced Security Features Introduction and Configuration Medical Device Technologies: A Systems Based Overview Using Engineering Standards (Academic Press Series in Biomedical Engineering) Galaxy S7: Beginners Guide - How To Start Using Your Galaxy S7, Plus Helpful Tips & Tricks And Hidden Features! (S7 Edge, Android, Smartphone) Advanced Software Testing - Vol. 3, 2nd Edition: Guide to the ISTQB Advanced Certification as an Advanced Technical Test Analyst Advanced Software Testing - Vol. 2, 2nd Edition: Guide to the ISTQB Advanced Certification as an Advanced Test Manager

<u>Dmca</u>