

The book was found

CoArrays: Parallel Programming In Fortran (Chapman & Hall/CRC Computational Science)



Synopsis

This book describes the coarray parallel programming model that will be part of the next standard version of the Fortran language. It provides a practical guide for Fortran programmers who want to start writing parallel applications using coarrays as soon as the compilers become commercially available. The authors present the technical specification of the coarray model in enough detail for programmers to write standard-conforming code. They also offer a large number of examples of parallel algorithms written in the coarray model and include exercises with solutions. A supplementary website offers Fortran code samples for download.

Book Information

Series: Chapman & Hall/CRC Computational Science

Hardcover: 200 pages

Publisher: Chapman and Hall/CRC; 1 edition (August 15, 2016)

Language: English

ISBN-10: 1439840040

ISBN-13: 978-1439840047

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Best Sellers Rank: #2,256,654 in Books (See Top 100 in Books) #74 in Books > Computers & Technology > Programming > Languages & Tools > Fortran #360 in Books > Science & Math > Mathematics > Number Systems #2363 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Object-Oriented Design

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

CoArrays: Parallel Programming in Fortran (Chapman & Hall/CRC Computational Science)

Computational Actuarial Science with R (Chapman & Hall/CRC The R Series) Python for

Bioinformatics (Chapman & Hall/CRC Mathematical and Computational Biology) RNA-seq Data Analysis: A Practical Approach (Chapman & Hall/CRC Mathematical and Computational Biology)

Big Data and Social Science: A Practical Guide to Methods and Tools (Chapman & Hall/CRC

Statistics in the Social and Behavioral Sciences) Error Correcting Codes: A Mathematical

Introduction (Chapman Hall/CRC Mathematics Series) Modern Adaptive Randomized Clinical Trials:

Statistical and Practical Aspects (Chapman & Hall/CRC Biostatistics Series) Healthcare Data

Analytics (Chapman & Hall/CRC Data Mining and Knowledge Discovery Series) Handbook of

Solvency for Actuaries and Risk Managers: Theory and Practice (Chapman & Hall/CRC Finance)

RapidMiner: Data Mining Use Cases and Business Analytics Applications (Chapman & Hall/CRC

Data Mining and Knowledge Discovery Series) A Concise Introduction to Image Processing using C++ (Chapman & Hall/CRC Numerical Analysis and Scientific Computing Series) Statistical Learning with Sparsity: The Lasso and Generalizations (Chapman & Hall/CRC Monographs on Statistics & Applied Probability) Fortran 77 Programming: With an Introduction to the Fortran 90 Standard (International Computer Science Series) Parallel Programming: Techniques and Applications Using Networked Workstations and Parallel Computers (2nd Edition) Parallel Programming with Intel Parallel Studio XE Prolog and its Applications: A Japanese perspective (Chapman & Hall Computing) Application Debugging: An MVS Abend Handbook for Cobol, Assembly, PL/I, and Fortran Programmers (Prentice-Hall Software Series) Big CPU, Big Data: Solving the World's Toughest Computational Problems with Parallel Computing Parallel Scientific Computing in C++ and MPI: A Seamless Approach to Parallel Algorithms and their Implementation Introduction to Parallel Computing: Design and Analysis of Parallel Algorithms