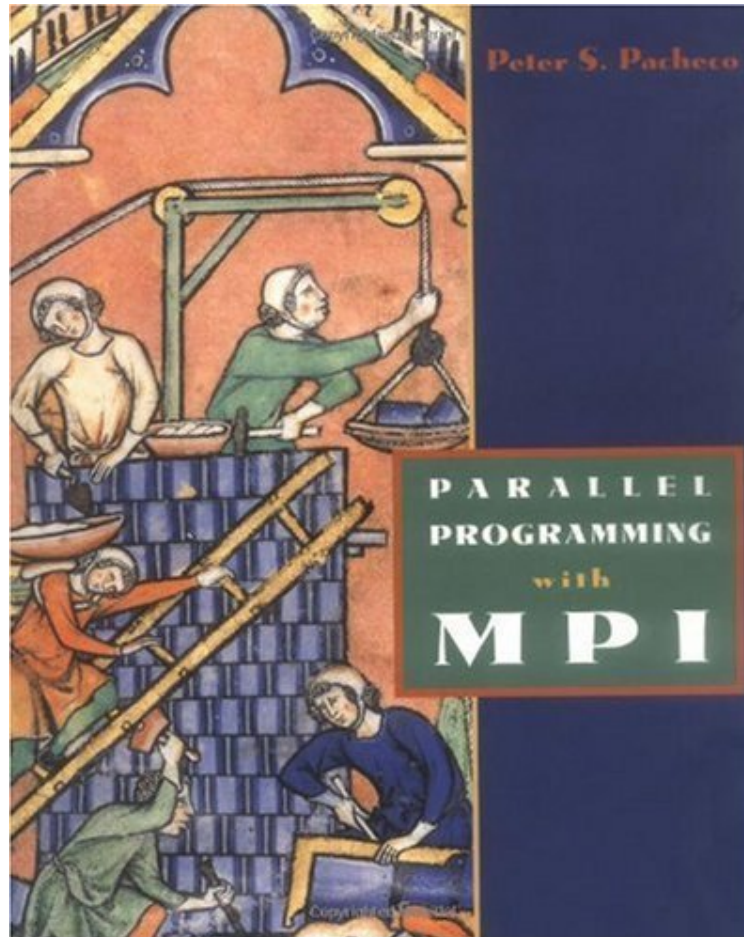


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Parallel Programming with MPI

Von Peter Pacheco

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KundenrezensionenHilfreichste Kundenrezensionen1 von 1 Kunden fanden die folgende Rezension hilfreich.
Comments for Fortran UsersVon Ein KundeAs the book description indicates, the text is based on the C language. The Fortran MPI function calls are slightly different (syntatically) than the C equivalents. Fortran users should be aware that these differences are not discussed in the text. However, the sample programs from the text are available in Fortran from the author's web page (referenced in the book). Aside from this, Parallel Programming With MPI is an easy reading book which introduces the material through working examples. The book also contains a nice introduction to high performance computing and optimization issues. I still have a lot to learn , but I'm glad I bought it!
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Kurzbeschreibung A hands-on introduction to parallel programming based on the Message-Passing Interface (MPI) standard, the de-facto industry standard adopted by major vendors of commercial parallel systems. This textbook/tutorial, based on the C language, contains many fully-developed examples and exercises. The complete source code for the examples is available in both C and Fortran 77. Students and professionals will find that the portability of MPI, combined with a thorough grounding in parallel programming principles, will allow them to program any parallel system, from a network of workstations to a parallel supercomputer.* Proceeds from basic blocking sends and receives to the most esoteric aspects of MPI.* Includes extensive coverage of performance and debugging.* Discusses a variety of approaches to the problem of basic I/O on parallel machines.* Provides exercises and programming assignments. Pressestimmen "...the detailed discussion of many complex and confusing issues makes the book an important information source for programmers developing large applications using MPI." --L.M. Liebrock, ACM Computing sKurzbeschreibung A hands-on introduction to parallel programming based on the Message-Passing Interface (MPI) standard, the de-facto industry standard adopted by major vendors of commercial parallel systems. This textbook/tutorial, based on the C language, contains many fully-developed examples and exercises. The complete source code for the examples is available in both C and Fortran 77. Students and professionals will find that the portability of MPI, combined with a thorough grounding in parallel programming principles, will allow them to program any parallel system, from a network of workstations to a parallel supercomputer.* Proceeds from basic blocking sends and receives to the most esoteric aspects of MPI.* Includes extensive coverage of performance and debugging.* Discusses a variety of approaches to the problem of basic I/O on parallel machines.* Provides exercises and programming assignments.