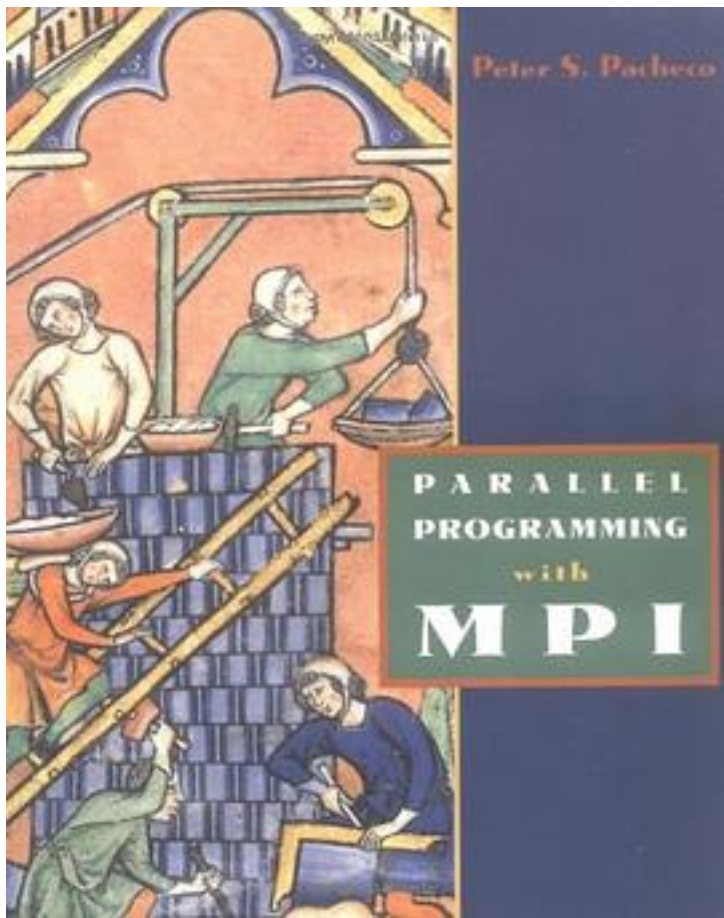


# Parallel Programming with MPI



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出版者:Morgan Kaufmann

出版时间:1996-10-15

装帧:Paperback

isbn:9781558603394

This is 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. It 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; and provides exercises and programming assignments.

作者介绍:

目录:

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## 标签

MPI

并行计算

计算机

parallel

computing

经典教材

经典之作

程序设计

## 评论

几天地铁时间读完

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入门性质的MPI编程读物。难度不高，但需要一定的进程和通信基础。

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非常好的使用MPI进行并行计算的入门书籍，不仅介绍了基本的MPI的使用方法，还讲解了分析并行程序效率的建模方法。

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书评

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