

<<多线程,并行与分布式程序设计基础(>>

图书基本信息

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## 内容概要

本书利用现实环境中的例子，着重讲述并行系统的实践与应用。

介绍了多线程、并行和分布式计算的基本概念，并且把它们与实现和完成过程联系起来，关注解决方案的正确性和性能。

主要内容包括：共享变量程序设计，分布式程序设计，并程序序设计。

本书对一些实际案例进行研究，论题包括并行线程、MPI、OpenMP库，还有Java程序设计语言、Ada、高性能Fortran、Linda、Occam和SR。

通过完整程序执行具体的例子，程序和实例皆为共享式和分布式的。

样例应用领域包括科学计算和分布式系统。

本书适用于多线程、并行和分布式计算课程。

作者Greg Andrews是美国亚利桑那大学计算机科学系教授，其研究涉及包括并发和分布式程序设计的各个层面。

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