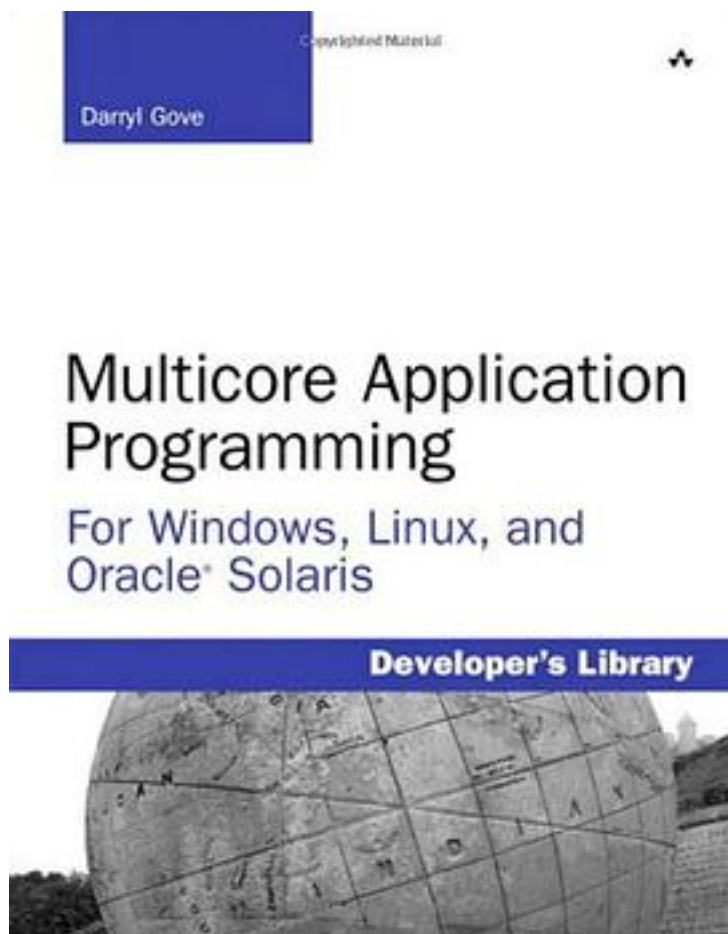


Multicore Application Programming



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著者:Darryl Gove

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Write High-Performance, Highly Scalable Multicore Applications for Leading Platforms
Multicore Application Programming is a comprehensive, practical guide to high-performance multicore programming that any experienced developer can use.

Author Darryl Gove covers the leading approaches to parallelization on Windows, Linux, and Oracle Solaris. Through practical examples, he illuminates the challenges involved in writing applications that fully utilize multicore processors, helping you produce applications that are functionally correct, offer superior performance, and scale well to eight cores, sixteen cores, and beyond. The book reveals how specific hardware implementations impact application performance and shows how to avoid common pitfalls. Step by step, you'll write applications that can handle large numbers of parallel threads, and you'll master advanced parallelization techniques. You'll learn how to

- * Identify your best opportunities to use parallelism
- * Share data safely between multiple threads
- * Write applications using POSIX or Windows threads
- * Hand-code synchronization and sharing
- * Take advantage of automatic parallelization and OpenMP
- * Overcome common obstacles to scaling
- * Apply new approaches to writing correct, fast, scalable parallel code

Multicore Application Programming isn't wedded to a single approach or platform: It is for every experienced C programmer working with any contemporary multicore processor in any leading operating system environment.

作者介绍:

Darryl Gove

Oracle Solaris

Studio编译团队的高级首席软件工程师，主要负责应用程序和基准方面的分析、并行和优化。他具有英国南安普顿大学运筹学硕士和博士学位，另著有Solaris Application Programming、The Developer's Edge。此外，他经常在个人博客www.darrylgove.com上发表关于性能、优化、多线程和编码的文章。

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标签

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Programming

多核

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评论

放在手机里，在地铁里读，感觉很不错

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书评

我之前对多线程全部的经验就是开个work thread不要让界面卡死，但是换工作后，开始接触一些真正多线程的问题，于是就找了这本书来看，每天在地铁里用hero看，遇到代码就只能拖来拖去，非常痛苦，好在现在已经算是通读了。这本书门槛很低，正适合我，我不会写什么书评，大概讲...

这本书我自己还没看，所以下面的是无责任书评，仅供参考。副标题是Developer's Library，有480页的厚度，大概翻了下目录，章节覆盖的内容很全面，而且还是跨OS的；作者是Oracle的Principle Engineer，他的博客很有料，而且已经写过一本不错的书。综上，我猜测此书应是本案头...

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