Multicore Application Programming: for Windows, Linux, and Oracle Solaris (Developer's Library)

Von Darryl Gove
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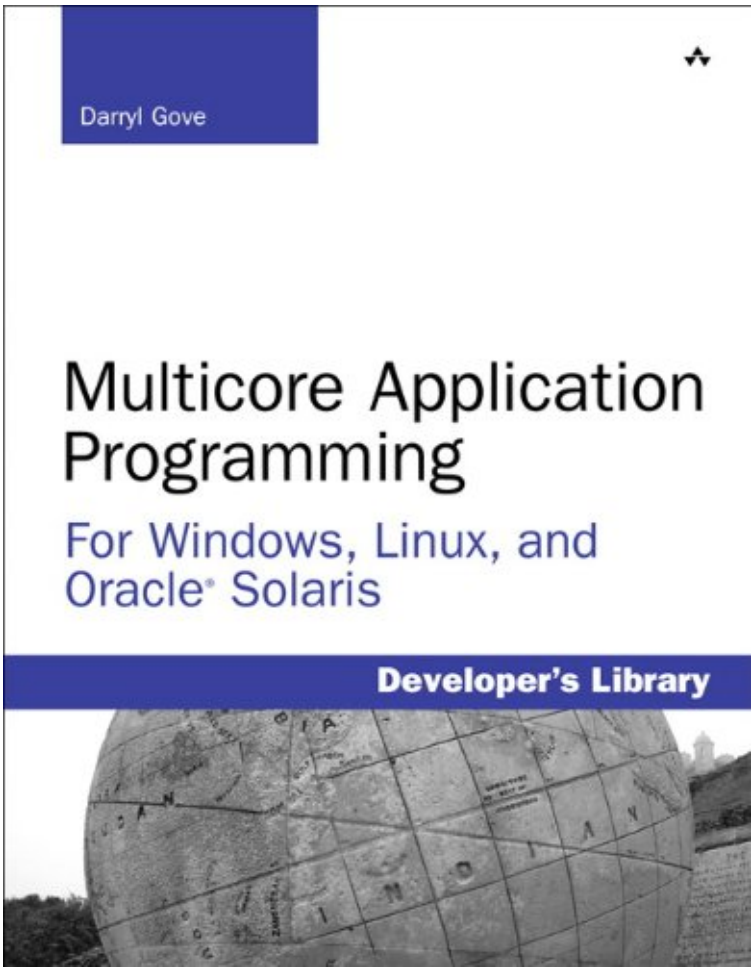

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Von Darryl Gove : Multicore Application Programming: for Windows, Linux, and Oracle Solaris (Developer's Library) before purchasing it in order to gage whether or not it would be worth my time, and all praised Multicore Application Programming: for Windows, Linux, and Oracle Solaris (Developer's Library):

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. One of the best books on multicore programmingVon K. van GendConceptually sound, this book starts at the right beginning to discuss multicore programming.All major concepts are treated in a logical order. There is good coverage on how to prevent bugs.If I have one thing to complain about, it would be that to my taste, there's a bit too much Solaris and too little Linux and Windows in this book.Note that this book predates the C11 and C++11 standards, the cross-platform

multithreading capabilities in these standards are unfortunately not discussed.

Kurzbeschreibung Write High-Performance, Highly-Scalable Multicore Applications for Any Leading Hardware and OS Environment Programmers who know how to leverage todays multicore processors can achieve remarkable performance improvements, but multicore programming has traditionally been viewed as complex and difficult. Multicore Application Programming is the solution: a comprehensive, practical guide to high-performance multicore programming that any experienced developer can use. Author Darryl Gove covers all leading approaches to virtualization on multiple leading platforms, including Linux, Oracle Solaris, Mac OS X, and Windows. Through practical examples, he illuminates the challenges involved in writing applications that fully utilize multicore features, helping you produce applications that are functionally correct, offer superior performance, and scale well to eight cores, sixteen cores, and beyond. Gove reveals how specific hardware implementations impact application performance and shows how to avoid common potential programming pitfalls. Step by step, youll write applications that can handle large numbers of parallel threads, and youll master todays most advanced parallelization techniques. Youll learn how to: Identify your best opportunities to use parallelism Share data safely between multiple threads Write applications using POSIX or Windows threads Take advantage of automatic parallelization and OpenMP Hand-code synchronization and sharing Overcome common obstacles to scaling Apply new approaches to writing correct, fast, scalable parallel code Multicore Application Programming isnt 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. 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