

The book was found

Pro Android Apps Performance Optimization



Synopsis

Today's Android apps developers are often running into the need to refine, improve and optimize their apps performances. As more complex apps can be created, it is even more important for developers to deal with this critical issue.Â Android allows developers to write apps using Java, C or a combination of both with the Android SDK and the Android NDK. Pro Android Apps PerformanceÂ Optimization reveals how to fine-tune your Android apps, making them more stable and faster. In this book, you'll learn the following: How to optimize your Java code with the SDK, but also how to write and optimize native code using advanced features of the Android NDK such as using ARM single instruction multiple data (SIMD) instructions (in C or assembly) HowÂ to use multithreading in your application, how make best use of memory and how to maximize battery life How to use to some OpenGL optimizations and to Renderscript, a new feature in Android 3.0 (Honeycomb) and expanded in Android 4.0 (Ice Cream Sandwich). After reading and using this book, you'll be a better coder and your apps will be better-coded.Â Better-performing apps meanÂ better reviews and eventually, more money for you as the app developer or your indie shop.

Book Information

Paperback: 284 pages

Publisher: Apress; 1st ed. edition (January 16, 2012)

Language: English

ISBN-10: 1430239999

ISBN-13: 978-1430239994

Product Dimensions: 7.5 x 0.6 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 starsÂ Â See all reviewsÂ (4 customer reviews)

Best Sellers Rank: #2,244,631 in Books (See Top 100 in Books) #81 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Performance Optimization #723 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Testing #1394 inÂ Books > Computers & Technology > Mobile Phones, Tablets & E-Readers > Handheld & Mobile Devices

Customer Reviews

This book gets to the nuts and bolts of optimizing Android code. The author reveals both Android and core Java data structures that will make it easier to write code that will zip along. They have some great info on caching and SQLite, as well as a chapter on preserving battery life. A must have

for any serious developer. (I bought this book through the Alpha program at Apress).

This book is a great overview of techniques for improving android performance. The book covers the full range from common sense in writing efficient algorithms, to hand optimized assembly. Lots of useful information about cache, compilers, and practical advice when certain optimization techniques are appropriate. The book covers user experience in detail with good info about battery consumption, and application responsiveness. The chapters on graphics and renderscript feel more like an afterthought in comparison. The author has a great writing style, making the content very accessible. Not always the case with programming books. Overall, this is a very helpful book for Android app development full of practical advice and relevant examples.

Overall, I've really enjoyed this book and would recommend it to advanced Android developers. There were many interesting tips and details along the way, as well as great example code and guides to creating/using advanced components. My biggest criticism is that sometimes it went far too deep in terms of optimizations. For example, while it was interesting to see the assembly code created by the NDK compiler, the authors then describe how you can inject custom assembly instructions into NDK/C code. They also warn against optimizing minutiae, which this seems to qualify as. Otherwise, very good.

This book is super helpful when writing high performance Android applications. It covers all you need to know about the various compilers and languages. Having a professional Android developer helping along the way is really reassuring. I have to stress that this book is not for someone wanting to learn programming or write their first Android app, it is for a good programmer who wants to make their apps really fly. It covers run time analysis, cache, compilers, battery life...essential for high performance programming. Great stuff!

[Download to continue reading...](#)

Android Studio Development Essentials - Android 7 Edition: Learn to Develop Android 7 Apps with Android Studio 2.2 Pro Android Apps Performance Optimization Android Boot Camp for Developers Using Java: A Guide to Creating Your First Android Apps Learn Android Studio: Build Android Apps Quickly and Effectively Pro iOS Apps Performance Optimization Hybrid Particle Swarm Algorithm for Multiobjective Optimization: Integrating Particle Swarm Optimization with Genetic Algorithms for Multiobjective Optimization Help Me! Guide to Android for Seniors: Introduction to Android Phones and Tablets for Beginners Android Lollipop: A Beginner's Guide to the Android Operating System

Android Tablet Tips, Tricks, and Traps: A How-To Tutorial for all Android Tablet Introduction to Android Application Development: Android Essentials (5th Edition) (Developer's Library) Efficient Android Threading: Asynchronous Processing Techniques for Android Applications Android: Programming in a Day: The Power Guide for Beginners In Android App Programming Fire Stick: The 2016 User Guide And Manual - Learn How To Install Android Apps On Your Fire TV Stick! (Streaming Devices, How To Use Fire Stick, Fire TV Stick User Guide) Samsung Galaxy S4 Owner's Manual:: Your quick reference to all Galaxy S IV features, including photography, voicemail, Email, and a universe of free Android apps Android Apps with Eclipse Learning Mobile App Development: A Hands-on Guide to Building Apps with iOS and Android iOS Apps for Masterminds: How to take advantage of Swift to create insanely great apps for iPhones and iPads 55 Smart Apps to Level Up Your Brain: Free Apps, Games, and Tools for iPhone, iPad, Google Play, Kindle Fire, Web Browsers, Windows Phone, & Apple Watch Pro Java EE 5 Performance Management and Optimization Network Performance and Optimization Guide: The Essential Network Performance Guide For CCNA, CCNP and CCIE Engineers (Design Series)

[Dmca](#)