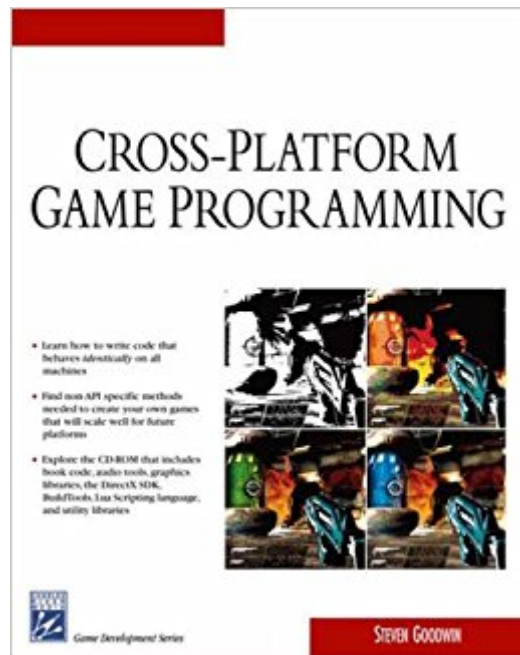


The book was found

Cross-Platform Game Programming (Game Development) (Charles River Media Game Development)



Synopsis

With many of today's games being released simultaneously on all platforms, the need for a good cross-platform development strategy is essential. Cross-Platform Game Programming covers this rarely discussed area and provides the techniques needed to develop your games effectively. It explains the plethora of problems that exist within every cross-platform game, and gives you the understanding and ability needed to solve them. It also teaches you how to write code that behaves identically on all machines. In addition, the book explains why standard libraries are not standard enough, and covers the nuances between compilers, debuggers, and operating systems.

Throughout the book, how-to guidelines are provided for using the same code to handle different hardware specifications without change for ported games, or those being build to work cross-platform from the ground up. It helps senior and lead programmers determine where the platform-specific features should start and end, and provides methods for achieving this. It also includes support for those using middleware by demonstrating how to write code that will run identically on different machines, despite the platform making use of the same APIs. Because this book teaches the methods, not the API, it scales well for future platforms and empowers you to create your own designs.

Book Information

Series: Charles River Media Game Development

Paperback: 460 pages

Publisher: Charles River Media; 1 edition (March 2005)

Language: English

ISBN-10: 1584503793

ISBN-13: 978-1584503798

Product Dimensions: 9.2 x 7.4 x 1.2 inches

Shipping Weight: 2.2 pounds

Average Customer Review: 4.5 out of 5 stars Â Â See all reviewsÂ (2 customer reviews)

Best Sellers Rank: #2,131,126 in Books (See Top 100 in Books) #50 inÂ Books > Computers & Technology > Programming > Cross-platform Development #1492 inÂ Books > Computers & Technology > Games & Strategy Guides > Game Programming #5205 inÂ Books > Humor & Entertainment > Puzzles & Games > Video & Computer Games

Customer Reviews

In "Cross Platform Game Programming," Steven Goodwin describes the major challenges

developers face when building a cross-platform game or engine. Published by Charles River Media (ISBN 1584503793) for \$49.95, the book spans eleven chapters through 460 pages and includes a CDROM containing the book's sample code and several useful toolkit libraries. As publishers continue to release titles simultaneously on multiple platforms, developers must contend with two or more console architectures during development. In order to isolate the high level changes and streamline development efficiency, games usually sit on top of an engine designed to abstract away hardware details to common API calls. The first chapter describes the typical problems encountered when attempting to write a cross-platform engine and how to design low level systems to prevent cross-platform issues. A key goal in writing cross-platform software is to reduce fundamental differences between target environments. The book's second chapter highlights code design methods and nuances that are critical to consider and adopt. Some of the subtle points discussed include language implementation differences between compilers, deterministic mathematic calculations, and different debugging environments. Goodwin describes common pitfalls to avoid and design considerations to adopt. Each of the subsequent chapters focus on a specific hardware difference: memory, CPU, storage, and input devices. The memory chapter describes issues associated with alignment, basic type sizes, and designing a memory management layer to create a common allocation scheme. The CPU chapter considers hardware timers, multi-threading, and various time management strategies.

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

Cross-Platform Game Programming (Game Development) (Charles River Media Game Development) Cross Stitch: Learn Cross Stitch FAST! - Learn the Basics of Cross Stitch In No Time (Cross Stitch, Cross Stitch Course, Cross Stitch Development, Cross Stitch Books, Cross Stitch for Beginners) Delphi Programming with COM and ActiveX (Programming Series) (Charles River Media Programming) Macromedia Flash Professional 8 Game Development (Charles River Media Game Development) Game Developer's Open Source Handbook (Charles River Media Game Development) Game Writing: Narrative Skills for Videogames (Charles River Media Game Development) The Game Localization Handbook (Charles River Media Game Development) GNU/Linux Application Programming (Charles River Media Programming) Cross Platform Game Development (Wordware Game Developer's Library) 20 Recipes for Programming PhoneGap: Cross-Platform Mobile Development for Android and iPhone Social Media: Master, Manipulate, and Dominate Social Media Marketing With Facebook, Twitter, YouTube, Instagram and LinkedIn (Social Media, Social Media ... Twitter, Youtube, Instagram, Pinterest) Social Media: Master Strategies For Social Media Marketing - Facebook, Instagram, Twitter, YouTube & LinkedIn (Social

Media, Social Media Marketing, Facebook, ... Instagram, Internet Marketing Book 3) Libgdx
Cross-platform Game Development Cookbook ShaderX3: Advanced Rendering with DirectX and
OpenGL (Charles River Media Graphics) Illustrating with Macromedia Flash Professional 8 (Charles
River Media Graphics) C# 6 and .NET Core 1.0: Modern Cross-Platform Development Mastering
Cross-Platform Development with Xamarin Cross-Platform Development with Delphi XE7 &
Firemonkey for Windows & Mac OS X Xamarin Cross Platform Development Cookbook
Cross-Platform Software Development

[Dmca](#)