



AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD))

By Steve Rabin

Download now

Read Online ➔

AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin

AI Game Programming Wisdom 3 grants you an insider's look at cutting-edge AI techniques used by industry professionals in such games as Fable, Halo 2, and the Battlefield series. Successful commercial games like these require years of research and development in order to deliver exciting, new gameplay experiences. The wealth of knowledge gained through this hard work is invaluable and by sharing it, the 50+ authors in this book have generously given you the tools and techniques you need to build top tier games. In AI Game Programming Wisdom 3, you'll find an entirely new collection of exclusive tips, tricks, techniques, algorithms, and architectures that can't be found anywhere else. And as with previous volumes, the goal of this book is to offer useful, insightful, and clever ideas to help expand your own personal AI toolbox. New to this volume is the inclusion of longer and more detailed articles that allow for a more in-depth exploration of each topic. With this book, you'll be standing on the shoulders of game industry giants and taking advantage of their hard earned wisdom and insights. So take these techniques, build upon them, and lead the industry toward innovative gameplay and the next generation of games.

 [Download AI Game Programming Wisdom 3 \(AI Game Programming ...pdf\)](#)

 [Read Online AI Game Programming Wisdom 3 \(AI Game Programmin ...pdf\)](#)

AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD))

By Steve Rabin

AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin

AI Game Programming Wisdom 3 grants you an insider's look at cutting-edge AI techniques used by industry professionals in such games as Fable, Halo 2, and the Battlefield series. Successful commercial games like these require years of research and development in order to deliver exciting, new gameplay experiences. The wealth of knowledge gained through this hard work is invaluable and by sharing it, the 50+ authors in this book have generously given you the tools and techniques you need to build top tier games. In AI Game Programming Wisdom 3, you'll find an entirely new collection of exclusive tips, tricks, techniques, algorithms, and architectures that can't be found anywhere else. And as with previous volumes, the goal of this book is to offer useful, insightful, and clever ideas to help expand your own personal AI toolbox. New to this volume is the inclusion of longer and more detailed articles that allow for a more in-depth exploration of each topic. With this book, you'll be standing on the shoulders of game industry giants and taking advantage of their hard earned wisdom and insights. So take these techniques, build upon them, and lead the industry toward innovative gameplay and the next generation of games.

AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin Bibliography

- Sales Rank: #873641 in Books
- Published on: 2006-03-09
- Original language: English
- Number of items: 1
- Dimensions: 1.60" h x 7.54" w x 9.58" l, 3.35 pounds
- Binding: Hardcover
- 700 pages

 [Download AI Game Programming Wisdom 3 \(AI Game Programming ...pdf](#)

 [Read Online AI Game Programming Wisdom 3 \(AI Game Programmin ...pdf](#)

Editorial Review

Review

Preface Acknowledgments About the Cover Image Contributor Bios SECTION 1 GENERAL WISDOM 1.1 Custom Tool Design for Game AI; 1.2 Using STL and Patterns for Game AI; 1.3 Declarative AI Design for Games-Considerations for MMOGs; 1.4 Designing for Emergence; 1.5 Fun Game AI Design for Beginners; 1.6 Strategies for Multiprocessor AI; 1.7 Academic AI Research and Relations with the Game Industry; 1.8 Writing AI as Sport SECTION 2 PATHFINDING 2.1 Cooperative Pathfinding; 2.2 Improving on Near-Optimality: More Techniques for Building Navigation Meshes; 2.3 Smoothing a Navigation Mesh Path; 2.4 Preprocessed Pathfinding Using the GPU SECTION 3 MOVEMENT 3.1 Flow Fields for Movement and Obstacle Avoidance; 3.2 Autonomous Camera Control with Constraint Satisfaction Methods; 3.3 Insect AI 2: Implementation Strategies; 3.4 Intelligent Steering Using Adaptive PID Controllers; 3.5 Fast, Neat, and Under Control: Arbitrating Between Steering Behaviors; 3.6 Real-Time Crowd Simulation Using AI.implant; SECTION 4 ARCHITECTURE 4.1 Flexible Object-Composition Architecture; 4.2 A Goal-Based, Multitasking Agent Architecture; 4.3 Orwellian State Machines; 4.4 A Flexible AI System through Behavior Compositing; 4.5 Goal Trees; 4.6 A Unified Architecture for Goal Planning and Navigation; 4.7 Prioritizing Actions in a Goal-Based RTS AI; 4.8 Extending Simple Weighted-Sum Systems; 4.9 AI Waterfall: Populating Large Worlds Using Limited Resources; 4.10 An Introduction to Behavior-Based Systems for Games; 4.11 Simulating a Plan SECTION 5 TACTICS AND PLANNING 5.1 Probabilistic Target Tracking and Search Using Occupancy Maps; 5.2 Dynamic Tactical Position Evaluation; 5.3 Finding Cover in Dynamic Environments; 5.4 Coordinating Teams of Bots with Hierarchical Task Network Planning SECTION 6 GENRE SPECIFIC 6.1 Training Digital Monsters to Fight in the Real World; 6.2 The Suffering: Game AI Lessons Learned; 6.3 Environmental Awareness in Game Agents; 6.4 Fast and Accurate Gesture Recognition for Character Control; 6.5 Being a Better Buddy: Interpreting the Player's Behavior; 6.6 Ant Colony Organization for MMORPG and RTS Creature Resource Gathering; 6.7 RTS Citizen Unit AI; 6.8 A Combat Flight Simulation AI Framework SECTION 7 SCRIPTING AND DIALOG 7.1 Opinion Systems; 7.2 An Analysis of Far Cry Instincts' Anchor System; 7.3 Creating a Visual Scripting System; 7.4 Intelligent Story Direction in the Interactive Drama Architecture SECTION 8 LEARNING AND ADAPTATION 8.1 Practical Algorithms for In-Game Learning; 8.2 A Brief Comparison of Machine Learning Methods; 8.3 Introduction to Hidden Markov Models; 8.4 Preference-Based Player Modeling; 8.5 Dynamic Scripting; 8.6 Encoding Schemes and Fitness Functions for Genetic Algorithms; 8.7 A New Look at Learning and Games; 8.8 Constructing Adaptive AI Using Knowledge-Based Neuroevolution About the CD-ROM Index

About the Author

Steve Rabin is a Principal Software Engineer at Nintendo of America, where he researches new techniques for Nintendo's next generation systems, develops tools, and supports Nintendo developers. Before Nintendo, Steve worked primarily as an AI engineer at several Seattle start-ups including Gas Powered Games, WizBang Software Productions, and Surreal Software. He managed and edited the AI Game Programming Wisdom series of books, as well as the book Introduction to Game Development, and has over a dozen articles published in the Game Programming Gems series. He's spoken at the Game Developers Conference and moderates the AI roundtables. Steve teaches artificial intelligence at both the University of Washington Extension and at the DigiPen Institute of Technology. He earned a B.S. in computer engineering and an M.S. in computer science, both from the University of Washington.

Users Review

From reader reviews:

Aaron Williams:

Reading a e-book tends to be new life style in this particular era globalization. With reading you can get a lot of information that could give you benefit in your life. With book everyone in this world can share their idea. Guides can also inspire a lot of people. Many author can inspire all their reader with their story or maybe their experience. Not only the storyplot that share in the ebooks. But also they write about the ability about something that you need example of this. How to get the good score toefl, or how to teach your kids, there are many kinds of book that exist now. The authors in this world always try to improve their ability in writing, they also doing some study before they write with their book. One of them is this AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)).

Timothy Austin:

Are you kind of hectic person, only have 10 as well as 15 minute in your moment to upgrading your mind proficiency or thinking skill perhaps analytical thinking? Then you are experiencing problem with the book than can satisfy your short space of time to read it because all this time you only find guide that need more time to be go through. AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) can be your answer because it can be read by you actually who have those short extra time problems.

Irene Gonzales:

Don't be worry should you be afraid that this book will filled the space in your house, you might have it in e-book way, more simple and reachable. This kind of AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) can give you a lot of pals because by you looking at this one book you have issue that they don't and make a person more like an interesting person. This specific book can be one of one step for you to get success. This book offer you information that might be your friend doesn't know, by knowing more than other make you to be great individuals. So , why hesitate? Let's have AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)).

Ruth Hill:

Book is one of source of knowledge. We can add our knowledge from it. Not only for students but additionally native or citizen want book to know the up-date information of year to be able to year. As we know those books have many advantages. Beside all of us add our knowledge, could also bring us to around the world. From the book AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) we can acquire more advantage. Don't that you be creative people? For being creative person must prefer to read a book. Just simply choose the best book that suited with your aim. Don't become doubt to change your life by this book AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)). You can more pleasing than now.

**Download and Read Online AI Game Programming Wisdom 3 (AI
Game Programming Wisdom (W/CD)) By Steve Rabin
#3HYR9X0UPZW**

Read AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin for online ebook

AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin books to read online.

Online AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin ebook PDF download

AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin Doc

AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin Mobipocket

AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin EPub

3HYR9X0UPZW: AI Game Programming Wisdom 3 (AI Game Programming Wisdom (W/CD)) By Steve Rabin