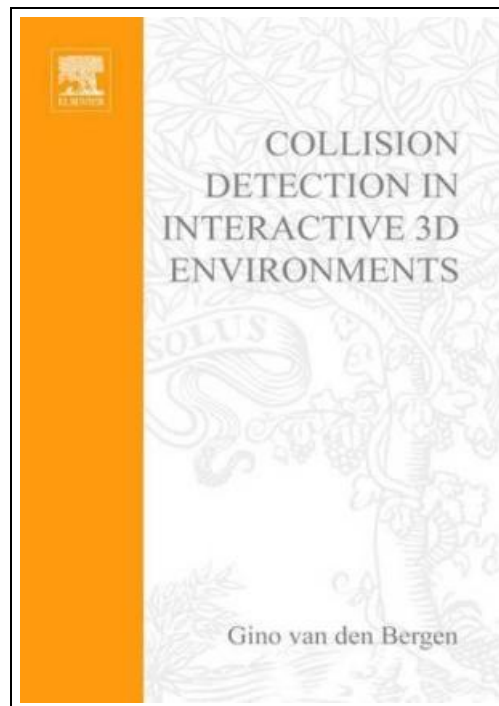


Collision Detection in Interactive 3D Environments (Mixed media product)



Filesize: 1.89 MB

Reviews

This publication is definitely worth buying. It is written in straightforward words rather than difficult to understand. You are going to like how the writer compose this publication.

(Dr. Joaquin Klein)

COLLISION DETECTION IN INTERACTIVE 3D ENVIRONMENTS (MIXED MEDIA PRODUCT)

[DOWNLOAD](#)

ELSEVIER SCIENCE TECHNOLOGY, United States, 2003. Mixed media product. Condition: New. New. Language: English . Brand New Book. The heart of any system that simulates the physical interaction between objects is collision detection-the ability to detect when two objects have come into contact. This system is also one of the most difficult aspects of a physical simulation to implement correctly, and invariably it is the main consumer of CPU cycles. Practitioners, new to the field or otherwise, quickly discover that the attempt to build a fast, accurate, and robust collision detection system takes them down a long path fraught with perils and pitfalls unlike most they have ever encountered. Without in-depth knowledge and understanding of the issues associated with engineering a collision detection system, the end of that path is an abyss that has swallowed many a good programmer! Gino van den Bergen s new book is the story of his successful journey down that path. The outcome is his well-known collision detection system, the SOftware Library for Interference Detection (SOLID). Along the way, he covers the topics of vector algebra and geometry, the various geometric primitives of interest in a collision system, the powerful method of separating axes for the purposes of intersection testing, and the equally powerful Gilbert-Johnson-Keerthi (GJK) algorithm for computing the distance between convex objects. But this book provides much more than a good compendium of the ideas that go into building a collision system. The curse of practical computational geometry is floating-point arithmetic. Algorithms with straightforward implementations when using exact arithmetic can have catastrophic failures in a floating-point system. Specifically, intersection and distance algorithms implemented in a floating-point system tend to fail exactly in the most important case in a collision system-when two objects are just touching. Great care must be taken to properly handle...

[Read Collision Detection in Interactive 3D Environments \(Mixed media product\) Online](#)[Download PDF Collision Detection in Interactive 3D Environments \(Mixed media product\)](#)

Relevant eBooks



Noah's Ark: A Bible Story Book With Pop-Up Blocks (Bible Blox)

Thomas Nelson Inc. BOARD BOOK. Book Condition: New. 0849914833 Brand new in the original wrap- I ship FAST via USPS first class mail 2-3 day transit with FREE tracking!!.

[Save Book »](#)



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction . I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

[Save Book »](#)



Baby Bargains Secrets to Saving 20 to 50 on Baby Furniture Equipment Clothes Toys Maternity Wear and Much Much More by Alan Fields and Denise Fields 2005 Paperback

Book Condition: Brand New. Book Condition: Brand New.

[Save Book »](#)



Weebies Family Halloween Night English Language: English Language British Full Colour

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Children s Weebies Family Halloween Night Book 20 starts to teach Pre-School and...

[Save Book »](#)



I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy...

[Save Book »](#)

**Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition)**

SAGE Publications Ltd. Paperback. Book Condition: new. BRAND NEW, Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition), Theresa Casey, 'Theresa's book is full of lots of inspiring, practical, 'how

[Read Book »](#)

**A Kindergarten Manual for Jewish Religious Schools; Teacher s Text Book for Use in School and Home**

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download

[Read Book »](#)

**Weebies Family Early Reading English Book: Full Colour Illustrations and Short Children s Stories**

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Children s Weebies Family Early Reading English Language Book 1 starts to teach

[Read Book »](#)

**New KS2 English SAT Buster 10-Minute Tests: Grammar, Punctuation & Spelling (2016 SATs & Beyond)**

Coordination Group Publications Ltd (CGP). Paperback. Book Condition: new. BRAND NEW, New KS2 English SAT Buster 10-Minute Tests: Grammar, Punctuation & Spelling (2016 SATs & Beyond), CGP Books, CGP Books, This book of SAT Buster

[Read Book »](#)

**Very Short Stories for Children: A Child's Book of Stories for Kids**

Paperback. Book Condition: New. This item is printed on demand. Item doesn't include CD/DVD.

[Read Book »](#)