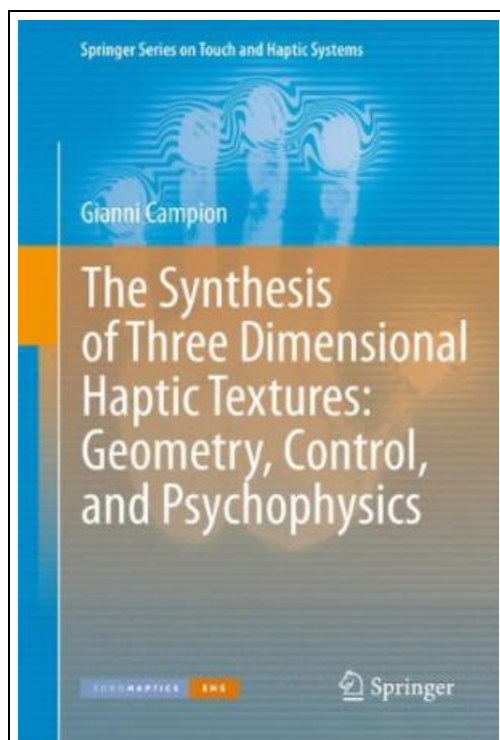


The Synthesis of Three Dimensional Haptic Textures: Geometry, Control, and Psychophysics



Filesize: 3 MB

Reviews

The ebook is not difficult in study preferable to understand. it was writtern quite flawlessly and beneficial. You are going to like just how the author compose this book.
(Leola Smith)

THE SYNTHESIS OF THREE DIMENSIONAL HAPTIC TEXTURES: GEOMETRY, CONTROL, AND PSYCHOPHYSICS

DOWNLOAD



To download **The Synthesis of Three Dimensional Haptic Textures: Geometry, Control, and Psychophysics** PDF, you should click the web link beneath and save the document or have access to additional information which are related to THE SYNTHESIS OF THREE DIMENSIONAL HAPTIC TEXTURES: GEOMETRY, CONTROL, AND PSYCHOPHYSICS book.

Springer. Paperback. Condition: New. 160 pages. Dimensions: 9.2in. x 6.1in. x 0.4in. The sense of touch is fundamental during the interaction between humans and their environment; in virtual reality, objects are created by computer simulations and they can be experienced through haptic devices. In this context haptic textures are fundamental for a realistic haptic perception of virtual objects. This book formalizes the specific artefacts corrupting the rendering of virtual haptic textures and offers a set of simple conditions to guide haptic researchers towards artefact-free textures. The conditions identified are also extremely valuable when designing psychophysical experiments and when analyzing the significance of the data collected. The Synthesis of Three Dimensional Haptic Textures, Geometry, Control, and Psychophysics examines the problem of rendering virtual haptic textures with force feedback devices. The author provides an introduction to the topic of haptic textures that covers the basics of the physiology of the skin, the psychophysics of roughness perception, and the engineering challenges behind haptic textures rendering. The book continues with the presentation of a novel mathematical framework that characterizes haptic devices, texturing algorithms and their ability to generate realistic haptic textures. Finally, two psychophysical experiments link the perception of roughness with the parameters of the haptic rendering algorithms. This book formalizes the specific artefacts corrupting the rendering of virtual haptic textures and offers a set of simple conditions to guide haptic researchers towards artefact-free textures. The conditions identified are also extremely valuable when designing psychophysical experiments and when analyzing the significance of the data collected. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.



[Read The Synthesis of Three Dimensional Haptic Textures: Geometry, Control, and Psychophysics Online](#)



[Download PDF The Synthesis of Three Dimensional Haptic Textures: Geometry, Control, and Psychophysics](#)



[Download ePUB The Synthesis of Three Dimensional Haptic Textures: Geometry, Control, and Psychophysics](#)

See Also



[PDF] The Puzzle of the Indian Arrowhead Three Amigos

Follow the web link under to get "The Puzzle of the Indian Arrowhead Three Amigos" PDF document.

[Save eBook »](#)



[PDF] The Case of the Crybaby Cowboy Three Amigos

Follow the web link under to get "The Case of the Crybaby Cowboy Three Amigos" PDF document.

[Save eBook »](#)



[PDF] The Tale of Jemima Puddle-Duck - Read it Yourself with Ladybird: Level 2

Follow the web link under to get "The Tale of Jemima Puddle-Duck - Read it Yourself with Ladybird: Level 2" PDF document.

[Save eBook »](#)



[PDF] California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Follow the web link under to get "California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package" PDF document.

[Save eBook »](#)



[PDF] Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Follow the web link under to get "Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package" PDF document.

[Save eBook »](#)



[PDF] Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package

Follow the web link under to get "Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package" PDF document.

[Save eBook »](#)



[PDF] Comic Illustration Book For Kids With Dog Farts FART BOOK Blaster Boomer Slammer Popper, Banger Volume 1 Part 1

Click the link below to download and read "Comic Illustration Book For Kids With Dog Farts FART BOOK Blaster Boomer Slammer Popper, Banger Volume 1 Part 1" PDF document.

[Save Book »](#)



[PDF] Big Book of Spanish Words

Click the link below to download and read "Big Book of Spanish Words" PDF document.

[Save Book »](#)



[PDF] What is in My Net? (Pink B) NF

Click the link below to download and read "What is in My Net? (Pink B) NF" PDF document.

[Save Book »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Click the link below to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF document.

[Save Book »](#)



[PDF] Fun math blog Grade Three Story(Chinese Edition)

Click the link below to download and read "Fun math blog Grade Three Story(Chinese Edition)" PDF document.

[Save Book »](#)



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

Click the link below to download and read "I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book" PDF document.

[Save Book »](#)