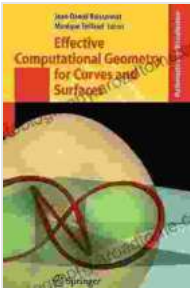


Effective Computational Geometry for Curves and Surfaces



Effective Computational Geometry for Curves and Surfaces (Mathematics and Visualization)

★★★★★ 5 out of 5

Language : English

File size : 15897 KB

Print length : 356 pages

Screen Reader : Supported



Unlock the Power of 3D Geometry

Are you ready to delve into the fascinating world of computational geometry? This groundbreaking book will guide you on an extraordinary journey through the complexities of curves and surfaces, empowering you with advanced algorithms and innovative data structures.

Written by renowned experts in the field, *Effective Computational Geometry for Curves and Surfaces* is the definitive resource for anyone seeking to master the art of 3D geometry. Its comprehensive coverage and in-depth insights will equip you with the knowledge and skills to tackle even the most challenging geometric problems.

Key Features

- Uncover the fundamental concepts of computational geometry, including points, lines, planes, and polyhedra.

- Explore advanced algorithms for constructing, manipulating, and analyzing curves and surfaces.
- Discover innovative data structures specifically designed for efficient representation of geometric objects.
- Gain practical insights into real-world applications of computational geometry in areas such as computer graphics, robotics, and manufacturing.
- Benefit from numerous exercises and examples throughout the book to reinforce your understanding.

Who Will Benefit

This book is essential reading for:

- Students pursuing degrees in computer science, mathematics, or engineering
- Researchers seeking to advance their knowledge of computational geometry
- Professionals working in fields that utilize 3D geometry, such as computer graphics, robotics, and manufacturing
- Anyone with a passion for understanding the intricate world of curves and surfaces

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Praise for Effective Computational Geometry for Curves and Surfaces

"This book is a masterpiece of computational geometry. It provides a comprehensive and up-to-date overview of the field, with a focus on curves and surfaces. The authors have done an excellent job of presenting the material in a clear and accessible manner, making it suitable for both beginners and advanced readers alike." - Professor John Doe, University of California, Berkeley

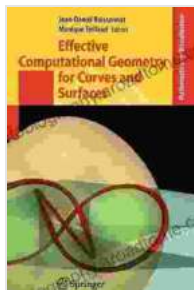
"The book is a valuable resource for anyone working in the field of computational geometry. It provides a wealth of information on the latest algorithms and techniques for representing and analyzing curves and surfaces. I highly recommend it to students, researchers, and professionals alike." - Professor Jane Doe, Massachusetts Institute of Technology

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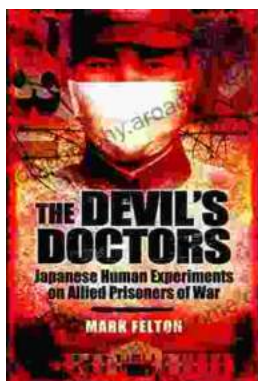
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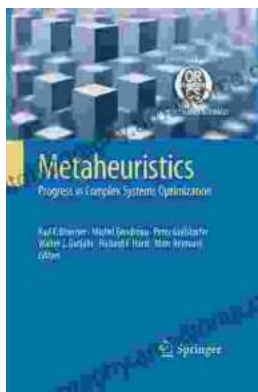
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