



The Art of 3D Computer Animation and Effects

By Isaac Kerlow

Wiley, 2009. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: SECTION I: INTRODUCTION.Chapter 1: Animation, Visual Effects, and Technology in Context.Summary.A Digital Creative Environment.The Development of the Technology.Visual Milestones: 1969-1989.Visual Milestones: 1990-Today.Timeline Charts.Key Terms.Chapter 2: Creative Development and the Digital Process.Summary.Storytelling.Character Design.Visual and Look Development.Production Strategies.The Digital Computer Animation Studio.Creative and Production Teams.The Production Process of Computer Animation.Getting Started.Key Terms.SECTION II: MODELING.Chapter 3: Modeling Concepts.Summary.Space, Objects, and Structures.Building with Numbers.Vertices, Edges, and Facets.Moving Things Around.File Formats for Modeling.Getting Ready.Key Terms.Chapter 4: Modeling Techniques.Summary.Introduction.Curved Lines.Geometric Primitives.Sweeping.Free-Form Objects.Basic Modeling Utilities.Real-Time Polygonal Models.Key Terms.Chapter 5: Advanced Modeling and Rigging Techniques.Summary.Free-form Curved Surfaces.Subdivision Surfaces.Logical Operators and Trimmed Surfaces.Advanced Modeling Utilities.Procedural Descriptions and Physical Simulations.Photogrammetry and Image-Based Modeling.Amination Rigging and Hierarchical Structures.Getting Ready.Key Terms.SECTION III: RENDERING.Chapter 6: Rendering Concepts.Summary.Lights, Camera, and Materials.Color.Steps in the Rendering Process.Hidden Surface Removal.Z-Buffer.Ray Tracing.Global Illumination and Radiosity.Image-Based

Reviews

It becomes an awesome publication that I actually have actually read. It really is written in simple terms and not difficult to understand. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Talia Cormier**

This pdf can be well worth a read, and much better than other. I am quite late in start reading this one, but better than never. Your daily life span will probably be transform when you full looking over this book.

-- **Roxanne Stehr**