

[PDF] The Art And Science Of Digital Compositing (The Morgan Kaufmann Series In Computer Graphics)

Ron Brinkmann - pdf download free book



Books Details:

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Description:

Digital compositing, defined here as "the digitally manipulated combination of at least two source images to produce an integrated result," is a huge field incorporating 2-D and 3-D still and animated artwork. *The Art and Science of Digital Compositing* homes in on a specific area--visual effects in

film, multimedia, and commercials--and expands on it in a highly precise and technical fashion. The author, Ron Brinkmann, has applied his expertise to many projects, including such feature films as *James and the Giant Peach* and *Die Hard*.

Here he teaches aspiring film, video, and multimedia artists how to create mattes; manipulate time; track, view, and analyze images; work with various film and video formats; and understand the issues of quality versus efficiency. Brinkmann concentrates on improving what you've put together by manipulating color, brightness, perspective, lighting, cameras, and more. You can apply much of the introductory information--resolution, bit depth, compression, color, and geometric manipulations--to simple image-compositing projects. But then you're off into Hollywood territory, though the tone is one of serious insight, not whimsical observation. This is essentially a textbook for people who are looking for an in-depth discussion of technology for advanced animation production. As such, it does an excellent job. --*Kathleen Caster*

From the Back Cover Computer-generated visual effects are now used extensively in feature films, commercials, music videos, and multimedia. The backbone of this process, the final and most important step, is known as digital compositing. **The Art and Science of Digital Compositing** is a comprehensive reference that provides a complete overview of the technical and the artistic nature of this process. This book covers a wide range of topics from basic image creation, representation, and manipulation, to a look at the visual cues that are necessary to create a believable composite. Designed as both an introduction to the field as well as a valuable technical reference, this book should be of interest to both novices and professionals alike.

Written by a working professional in the visual effects industry, the book provides over 250 different images and illustrations (including a 40-page color insert) as well as a complete glossary of compositing and visual-effects terminology. Also included are in-depth case studies from well-known films such as *Speed*, *Independence Day*, and *Titanic*.

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