



GPU PRO 3: Advanced Rendering Techniques

Wolfgang Engel

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Description

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Features

- Presents tips and tricks on how to render real-time special effects and visualize data on common consumer software platforms, such as PCs, video consoles, and mobile phones
- Covers specific challenges involved in creating games on these hardware platforms
- Explores the latest developments in the rapidly changing field of real-time rendering
- Takes a practical approach that helps graphics programmers solve their daily challenges
- Offers example programs with source code

Summary

GPU Pro³, the third volume in the GPU Pro book series, offers practical tips and techniques for creating real-time graphics that are useful to beginners and seasoned game and graphics programmers alike.

Section editors Wolfgang Engel, Christopher Oat, Carsten Dachsbacher, Wessam Bahnassi, and Sebastien St-Laurent have once again brought together a high-quality collection of cutting-edge techniques for advanced GPU programming. With contributions by more than 50 experts, **GPU Pro³: Advanced Rendering Techniques** covers battle-tested tips and tricks for creating interesting geometry, realistic shading, real-time global illumination, and high-quality shadows, for optimizing 3D engines, and for taking advantage of the advanced power of the GPGPU.

Sample programs and source code are available for download on the book's CRC Press web page.