

Includes Complete Coverage of the OpenGL® Shading Language!

Today's OpenGL® software enables graphics programmers to produce extraordinarily high-quality computer-generated images and interactive applications using 2D and 3D objects, color images, and programmable shaders.

OpenGL® Programming Guide: The Official Guide to Learning OpenGL®, Version 4.3, Eighth Edition, has been almost completely rewritten and provides definitive, comprehensive information on OpenGL and the OpenGL Shading Language. This edition of the best-selling "Red Book" describes the features through OpenGL version 4.3. It also includes updated information and techniques formerly covered in OpenGL® Shading Language (the "Orange Book").

For the first time, this guide completely integrates shader techniques, alongside classic, fixed-function techniques. Extensive new text and code are provided, demonstrating the latest in OpenGL programming techniques.

OpenGL® Programming Guide, Eighth Edition, provides clear explanations of OpenGL functionality and techniques, including processing geometric objects with vertex, tessellation, and geometry shaders using geometric transformations and drawing functions, working with pixels and texture maps through fragment shaders, and advanced data techniques using tessellation shaders and compute shaders.

New OpenGL features covered in this edition include:

- New practices and sample code for taking full advantage of shader and the entire shading pipeline (including geometry and tessellation shaders)
- Integration of general computation into the rendering pipeline via compute shaders
- Techniques for loading multiple shader programs at once during application execution
- Latest GLSL features for doing advanced shading techniques
- Additional new techniques for optimizing graphics program performance

DAVE SHREINER, Director of Graphics and GPU Computing at AMD, Inc., has been active in OpenGL development nearly since its inception. He created the first commercial OpenGL training course and the first OpenGL programming for twenty years. **GRAHAM SELLERS**, coauthor of OpenGL® Architecture, manages OpenGL software development at AMD. He authored many OpenGL feature specifications and helped bring OpenGL 4.0 to desktop computers. **JOHN KERNENICH**, OpenGL Shading Language Specification Editor, works at Luma, Inc., building complex technology for GLSL. He helped develop OpenGL 2.0 and OpenGL 3.0 at AMD and Intel. **BILL LIVEN-KANE** is Principal Member of Technical Staff at AMD, is a coauthor of OpenGL® Shading Language Guide, and chairs the OpenGL Shading Language technical subgroup.

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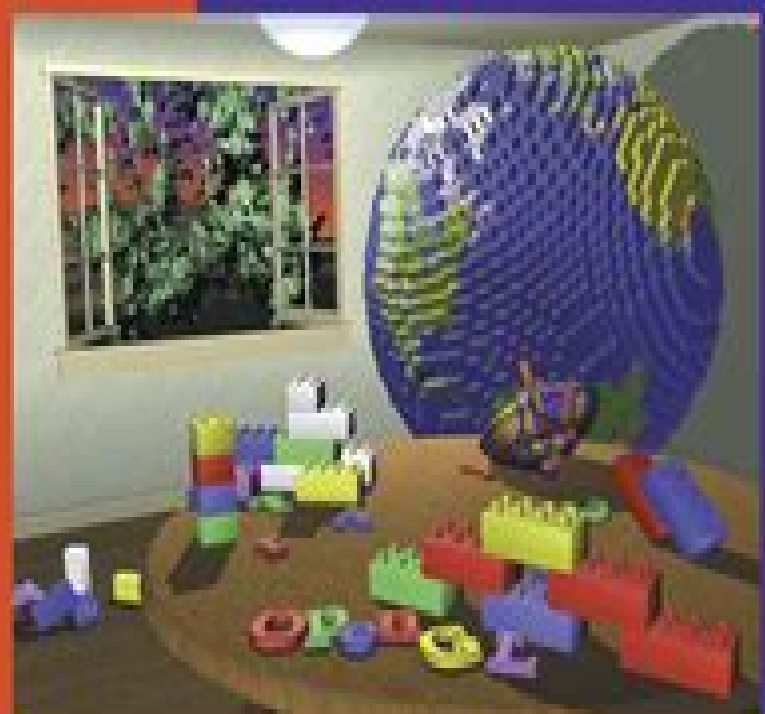
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