Introduction To 3D Game Programming With Directx 9.0C: A Shader Approach (Wordware Game and Graphics Library)

By Frank Luna

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Introduction to 3D Game Programming with DirectX 9.0c: A Shader Approach presents an introduction to programming interactive computer graphics, with an emphasis on game development, using real-time shaders with DirectX 9.0. The book is divided into three parts that explain basic mathematical and 3D concepts, show how to describe 3D worlds and implement fundamental 3D rendering techniques, and demonstrate the application of Direct3D to create a variety of special effects. With this book understand basic mathematical tools used in video game creation such as vectors, matrices, and transformations; discover how to describe and draw interactive 3D scenes using Direct3D and the D3DX library; learn how to implement lighting, texture mapping, alpha blending, and stenciling using shaders and the high-level shading language (HLSL); explore a variety of techniques for creating special effects, including vertex blending, character animation, terrain rendering, multi-texturing, particle systems, reflections, shadows, and normal mapping;f ind out how to work with meshes, load and render .X files, program terrain/camera collision detection, and implement 3D object picking; review key ideas, gain programming experience, and explore new topics with the end-of-chapter exercises.

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Editorial Review

About the Author
Frank D. Luna is a program-mer for Hero Interactive. He has been programming interactive 3D graphics for over eight years and has been using DirectX since its fifth iteration. He is the author of Introduction to 3D Game Programming with DirectX 9.0 from Wordware Publishing, Inc., and lives in Los Angeles.

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