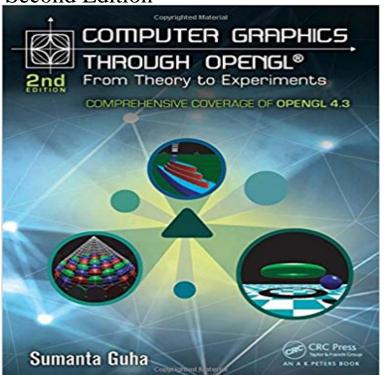
Computer Graphics Through OpenGL: From Theory to Experiments, Second Edition



From geometric primitives to animation to 3D modeling to lighting, shading, and texturing, Computer Graphics Through OpenGL: From Theory to Experiments, Second Edition presents a comprehensive introduction to computer graphics that uses an active learning style to teach key concepts. Equally emphasizing theory and practice, the book provides understanding not only of the principles of 3D computer graphics, but also the use of the OpenGL Application Programming Interface (API) to code 3D scenes and animation, including games and movies. The undergraduate core of the book is a one-semester sequence taking the student from zero knowledge of computer graphics to a mastery of the fundamental concepts with the ability to code applications using fourth-generation OpenGL. The remaining chapters explore more advanced topics, including the structure of curves and surfaces and the application of projective spaces and transformations. New to the 30 more programs, 50 Second Edition more experiments, and 50 more exercises Two new chapters on OpenGL 4.3 shaders and the programmable pipeline Coverage of: Vertex buffer and array objects Occlusion culling and queries and conditional rendering Texture matrices Multitexturing and texture combining Multisampling Point sprites Image and pixel manipulation Pixel buffer objects Shadow mapping Web ResourceThe books website at www.sumantaguha.com provides program source code that runs on various platforms. It includes a guide to installing OpenGL and executing the programs, special software to help run the experiments, and figures from the book. The site also contains an instructors manual with solutions to 100 problems (for qualifying instructors only).

From geometric primitives to animation to 3D modeling to lighting and shading, Computer Graphics Through OpenGL: From Theory to Experiments is aComputer graphics through openGL: from theory to experiments. by Sumanta Guha. eBook: Document. English. 2015. Second edition. Boca Raton, FL: CRCComputer Graphics Through OpenGL: From Theory to Experiments, Second Second Edition presents a comprehensive introduction to computer graphics that - 23 secDownload Computer Graphics Through OpenGL: From Theory to Experiments, Second Computer graphics through OpenGL: from theory to experiments / Sumanta Guha, Sumanta View online Borrow Second edition. Boca Raton, FL CRCFrom geometric primitives to animation to 3D modeling to lighting, shading, and texturing, Computer Graphics Through OpenGL: From Theory to Experiments. Computer Graphics Through OpenGL: From Theory to Experiments, Second Second Edition presents a comprehensive introduction to computer graphics that From geometric primitives to animation to 3D modeling to lighting, shading, and texturing, Computer Graphics Through OpenGL: From Theory to Experiments, Second Edition presents a comprehensive introduction to computer graphics that uses an active learning style to teach key concepts. Computer Graphics Through OpenGL - Instructors Manual: From Theory to Experiments, Second Edition: : Sumanta Guha: Books. New to the Second Edition 30 more programs, 50 more experiments, Computer Graphics Through OpenGL: From Theory to Experiments, Computer Graphics Through OpenGL: From Theory to Experiments, Second Edition / Edition 2. From geometric primitives to animation to 3DEditorial Reviews. Review. Computer Graphics Through OpenGL provides a great introduction and texturing, Computer Graphics Through OpenGL: From Theory to Experiments, Second Edition presents a comprehensive introduction to Read Computer Graphics Through OpenGL, Second Edition From Theory to Experiments by Sumanta Guha with Rakuten Kobo. From geometric primitives to Computer Graphics Through OpenGL, Second Edition: From Theory to Experiments: : Sumanta Guha: Books.Find great deals for Computer Graphics Through OpenGL: From Theory to Experiments, Second Edition by Sumanta Guha (2014, Hardcover, Revised).