1. Record Nr. UNINA9910462401803321 Titolo OpenGL insights / / edited by Patrick Cozzi and Christophe Riccio Boca Raton, Fla.:,: CRC Press,, 2013 Pubbl/distr/stampa **ISBN** 0-429-11289-0 1-4398-9377-2 Edizione [1st edition] 1 online resource (708 p.) Descrizione fisica Altri autori (Persone) CozziPatrick RiccioChristophe Disciplina 006.6/8 Soggetti Computer graphics Rendering (Computer graphics) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia An A K Peters book. Note generali Nota di bibliografia Includes bibliographical references. Front Cover; Dedication; Contents; Foreword; Preface; Tips; I. Nota di contenuto Discovering: 1. Teaching Computer Graphics Starting with Shader-Based OpenGL: 2. Transitioning Students to Post-Deprecation OpenGL: 3. WebGL for OpenGL Developers; 4. Porting Mobile Apps to WebGL; 5. The GLSL Shader Interfaces; 6. An Introduction to Tessellation Shaders; 7. Procedural Textures in GLSL; 8. OpenGL SC Emulation Based on OpenGL and OpenGL ES; 9. Mixing Graphics and Compute with Multiple GPUs; II. Rendering Techniques; 10. GPU Tessellation: We Still Have a LOD of Terrain to Cover 11. Antialiased Volumetric Lines Using Shader-Based Extrusion12. 2D Shape Rendering by Distance Fields; 13. Efficient Text Rendering in WebGL; 14. Layered Textures Rendering Pipeline; 15. Depth of Field with Bokeh Rendering; 16. Shadow Proxies; III. Bending the Pipeline; 17. Real-Time Physically Based Deformation Using Transform Feedback; 18. Hierarchical Depth Culling and Bounding-BoxManagement on the GPU; 19. Massive Number of Shadow-Casting Lights with Layered Rendering; 20. Efficient Layered Fragment Buffer Techniques; 21.

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