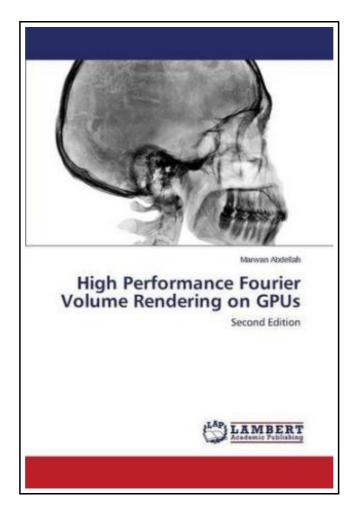
High Performance Fourier Volume Rendering on GPUs



Filesize: 5 MB

Reviews

Excellent electronic book and helpful one. It usually does not cost a lot of. I am quickly will get a pleasure of reading through a written publication.

(Bernardo Feeney Jr.)

HIGH PERFORMANCE FOURIER VOLUME RENDERING ON GPUS



LAP Lambert Academic Publishing Apr 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x9 mm. This item is printed on demand - Print on Demand Neuware - Fourier Volume Rendering is considered one of the most significant volume visualization techniques that has been employed extensively in digital radiography. It gained wide acceptance by the medical community and particularly in clinical radio-oncology as a fast tool for generating digital x-ray radiographs due to its reduced time-complexity. Driven by the tremendous horsepower embedded in its highly parallel architecture, the GPU has turned out from being a dedicated chip for graphics applications to be an attractive high performance computing platform for addressing advanced, complex and parallelizable non-graphics applications. In this sequel, a high performance implementation for the Fourier volume rendering pipeline is presented. This implementation exploits the parallel architecture and the formidable computing power of the state-of-the-art CUDA-enabled GPUs. The pure GPU-based implementation outperforms an optimized CPU-GPU hybrid implementation by a factor of 30× for the entire pipeline and 247× for the rendering loop. 144 pp. Englisch.



Read High Performance Fourier Volume Rendering on GPUs Online Download PDF High Performance Fourier Volume Rendering on GPUs

Other PDFs



DK READERS Pirates Raiders of the High Seas

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.8in. x 5.9in. x 0.2in. Meet Pirates who got away with murder... and pirates who died in the hangmans noose! These 48-page books about...

Download PDF »



Doodle Bear Illustrated animated version of the 2012 bound volume of the second quarter (April-June) (Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: Unknown Pages: full three Publisher: China Children Press List Price: 75.00...

Download PDF »



Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254×178 mm. Language: English . Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Download PDF »



Children's Educational Book Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Download PDF »



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

Download PDF »