

GPU Computing Gems



Filesize: 4.85 MB

Reviews

Complete information for publication fans. Better then never, though i am quite late in start reading this one. Its been written in an extremely straightforward way in fact it is just soon after i finished reading this ebook in which basically altered me, change the way i believe.

(Ellie Stark)

GPU COMPUTING GEMS

[DOWNLOAD](#)

To get **GPU Computing Gems** eBook, remember to refer to the hyperlink under and save the document or get access to other information which might be related to GPU COMPUTING GEMS ebook.

Elsevier Science & Technology. Hardback. Book Condition: new. BRAND NEW, GPU Computing Gems, Wen-mei W. Hwu, ".the perfect companion to Programming Massively Parallel Processors by Hwu & Kirk." -Nicolas Pinto, Research Scientist at Harvard & MIT, NVIDIA Fellow 2009-2010 Graphics processing units (GPUs) can do much more than render graphics. Scientists and researchers increasingly look to GPUs to improve the efficiency and performance of computationally-intensive experiments across a range of disciplines. GPU Computing Gems: Emerald Edition brings their techniques to you, showcasing GPU-based solutions including: * Black hole simulations with CUDA* GPU-accelerated computation and interactive display of molecular orbitals* Temporal data mining for neuroscience* GPU -based parallelization for fast circuit optimization* Fast graph cuts for computer vision* Real-time stereo on GPGPU using progressive multi-resolution adaptive windows* GPU image demosaicing* Tomographic image reconstruction from unordered lines with CUDA* Medical image processing using GPU -accelerated ITK image filters*41 more chapters of innovative GPU computing ideas, written to be accessible to researchers from any domain GPU Computing Gems: Emerald Edition is the first volume in Morgan Kaufmann's Applications of GPU Computing Series, offering the latest insights and research in computer vision, electronic design automation, emerging data-intensive applications, life sciences, medical imaging, ray tracing and rendering, scientific simulation, signal and audio processing, statistical modeling, and video / image processing. * Covers the breadth of industry from scientific simulation and electronic design automation to audio / video processing, medical imaging, computer vision, and more* Many examples leverage NVIDIA's CUDA parallel computing architecture, the most widely-adopted massively parallel programming solution* Offers insights and ideas as well as practical "hands-on" skills you can immediately put to use.

[Read GPU Computing Gems Online](#)[Download PDF GPU Computing Gems](#)

See Also



[PDF] Hands-On Worship Fall Kit (Hardback)

Access the web link below to read "Hands-On Worship Fall Kit (Hardback)" PDF document.

[Read ePub »](#)



[PDF] The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

Access the web link below to read "The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)" PDF document.

[Read ePub »](#)



[PDF] The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)

Access the web link below to read "The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)" PDF document.

[Read ePub »](#)



[PDF] Accused: My Fight for Truth, Justice and the Strength to Forgive

Access the web link below to read "Accused: My Fight for Truth, Justice and the Strength to Forgive" PDF document.

[Read ePub »](#)



[PDF] Goodparents.com: What Every Good Parent Should Know About the Internet (Hardback)

Access the web link below to read "Goodparents.com: What Every Good Parent Should Know About the Internet (Hardback)" PDF document.

[Read ePub »](#)



[PDF] Becoming a Spacewalker: My Journey to the Stars (Hardback)

Access the web link below to read "Becoming a Spacewalker: My Journey to the Stars (Hardback)" PDF document.

[Read ePub »](#)