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ISBN	1-282-97672-9 9786612976728 0-12-384989-6
Edizione	[Emerald ed.]
Descrizione fisica	1 online resource (889 p.)
Collana	Morgan Kaufmann's applications of GPU computing series
Altri autori (Persone)	HwuWen-mei
Disciplina	006.6
Soggetti	Graphics processing units - Programming Imaging systems Computer graphics Image processing - Digital techniques Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	section 1. Scientific simulation -- section 2. Life sciences -- section 3. Statistical modeling -- section 4. Emerging data-intensive applications -- section 5. Electric design automation -- section 6. Ray tracing and rendering -- section 7. Computer vision -- section 8. Video and image processing -- section 9. Signal and audio processing -- section 10. Medical imaging.
Sommario/riassunto	""...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