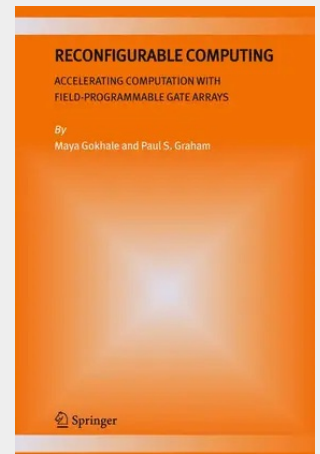


Reconfigurable Computing

Accelerating Computation with Field-Programmable Gate Arrays

This one-of-a-kind survey provides a comprehensive introduction to Reconfigurable Computing with FPGAs, a discipline that offers a 10X-100X acceleration of algorithms over microprocessors. The text explores the impact of reconfigurable hardware, built from commodity parts, on a wide range of applications: signal and image processing, network security, bioinformatics, satellites and supercomputers. Coverage includes the history of the field as well as recent advances, and an extensive bibliography of primary sources.

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160,49 €

149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780387261058

Medium: Buch

ISBN: 978-0-387-26105-8

Verlag: Humana

Erscheinungstermin: 14.12.2005

Sprache(n): Englisch

Auflage: 2005

Produktform: Gebunden

Gewicht: 1180 g

Seiten: 238

Format (B x H): 161 x 238 mm

