Reconfigurable Computing

RECONFIGURABLE COMPUTING

ACCELERATING COMPUTATION WITH
FIELD-PROGRAMMABLE GATE ARRAYS

By

Maya B. Gokhale and Paul S. Graham

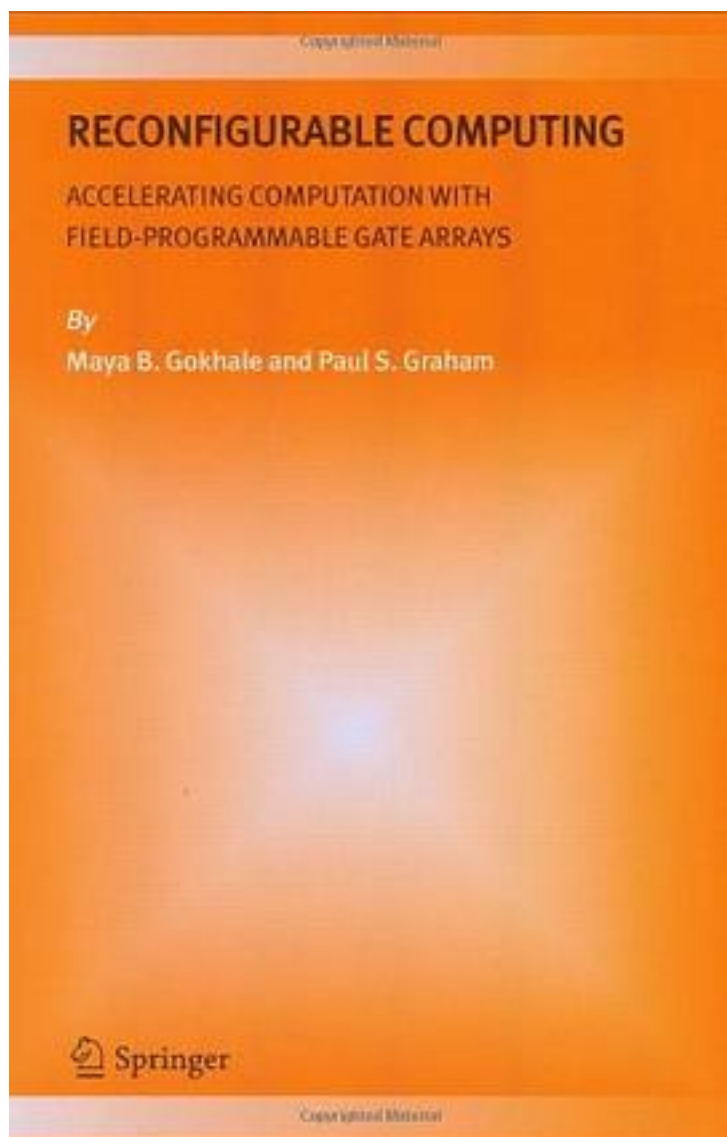Springer

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A one-of-a-kind survey of the field of Reconfigurable Computing Gives a comprehensive introduction to a discipline that offers a 10X-100X acceleration of algorithms over microprocessors Discusses the impact of reconfigurable hardware on a wide range of applications: signal and image processing, network security, bioinformatics, and supercomputing Includes the history of the field as well as recent advances Includes an extensive bibliography of primary sources

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