

Multicore programming using the parC language

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Abstrak

Multicore programming using the parC language discusses the principles of practical parallel programming using shared memory on multicore machines. It uses a simple yet powerful parallel dialect of C called ParC as the basic programming language. Designed to be used in an introductory course in parallel programming and covering basic and advanced concepts of parallel programming via ParC examples, the book combines a mixture of research directions, covering issues in parallel operating systems, and compilation techniques relevant for shared memory and multicore machines.