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Thesis Title	Design and Implementation of MIMD Algorithm Based on Personal Computers
Year	٢٠٠٥
Abstract	The MIMD architecture is the most popular architecture employed by parallel computers. One of the primary problems in creating efficient programs for multiprocessor systems with distributed memory is to partition the program into tasks that can be mapped to different processors for parallel execution. We use a DAG to model parallel computation. We consider compile-time static scheduling when communication overhead is not negligible. A new algorithm is proposed for scheduling on an unbounded number of processors named DSC. A new task-ordering algorithm called RCP that tries to minimize parallel time and overlap communication with computation is introduced.