

## Communication Complexity And Parallel Computing

Chapter 4: Distributed and Parallel Computing

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Complexity: In general, parallel applications are much more complex than corresponding serial applications, perhaps an order of magnitude. ... Most problems in parallel computing require communication among the tasks. A number of common problems require communication with "neighbor" tasks.

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4.2 Distributed Computing. A distributed system is a network of autonomous computers that communicate with each other in order to achieve a goal. The computers in a distributed system are independent and do not physically share memory or processors.

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