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3:Optimizing Cache Performance

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While parallel computing, in the form of internally linked processors, was the main form of parallelism,
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1. Introduction to Advanced Computer Architecture and Parallel Processing 1. 1.1 Four Decades of
Computing 2. 1.2 Flynn ' s Taxonomy of Computer Architecture 4. 1.3 SIMD Architecture 5. 1.4 MIMD
Architecture 6. 1.5 Interconnection Networks 11. 1.6 Chapter Summary 15. Problems 16. References 17. 2.
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Wiley: Advanced Computer Architecture and Parallel ...

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Much of parallel computer architecture is about Designing machines that overcome the sequential and parallel bottlenecks to achieve higher performance and efficiency Making programmer ' s job easier in writing correct and high-performance parallel programs 37

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Computer Architecture: Parallel Processing Basics

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conventional computer, a parallel processing system is able to carry out concurrent data processing to attain faster execution time. The idea of parallel processing is to speed up the computer processing capability also increase its throughput, i.e., the amount of processing that can be done during an interval of time.

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