11 Parallel Querying of Large Databases: A Case Study
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This case study illustrates how one processor running an efficient algorithm can outperform 64,000 processors running inefficiently in parallel.

23 Introduction to Distributed-Software Engineering
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Distributed software has been presented as the wave of the future, as the next major programming approach. This survey looks at some issues distributed software raises.

33 Efficient Abstract Data Type Components for Distributed and Parallel Systems
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Abstract data type components reduce the complexity of a large program by providing a collection of operations that can be invoked by other components.

45 Spatial-Light-Modulator Interconnected Computers
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Three architectures using SLMs demonstrate the advantages and disadvantages of optic interconnections. Future devices will further reduce the optics-electronics interface conversion penalty.

59 Optical Techniques and Data/Knowledge Base Machines
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