InputOutput in Parallel and Distributed Computer Systems The Springer International Series in Engineering and Computer Science

By -

Springer. Paperback. Condition: New. 396 pages. Dimensions: 9.2in. x 6.1in. x 0.9in.InputOutput in Parallel and Distributed Computer Systems has attracted increasing attention over the last few years, as it has become apparent that inputoutput performance, rather than CPU performance, may be the key limiting factor in the performance of future systems. This IO bottleneck is caused by the increasing speed mismatch between processing units and storage devices, the use of multiple processors operating simultaneously in parallel and distributed systems, and by the increasing IO demands of new classes of applications, like multimedia. It is also important to note that, to varying degrees, the IO bottleneck exists at multiple levels of the memory hierarchy. All indications are that the IO bottleneck will be with us for some time to come, and is likely to increase in importance. InputOutput in Parallel and Distributed Computer Systems is based on papers presented at the 1994 and 1995 IOPADS workshops held in conjunction with the International Parallel Processing Symposium. This book is divided into three parts. Part I, the Introduction, contains four invited chapters which provide a tutorial survey of IO issues in parallel and distributed systems. The chapters in Parts II and III contain...

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