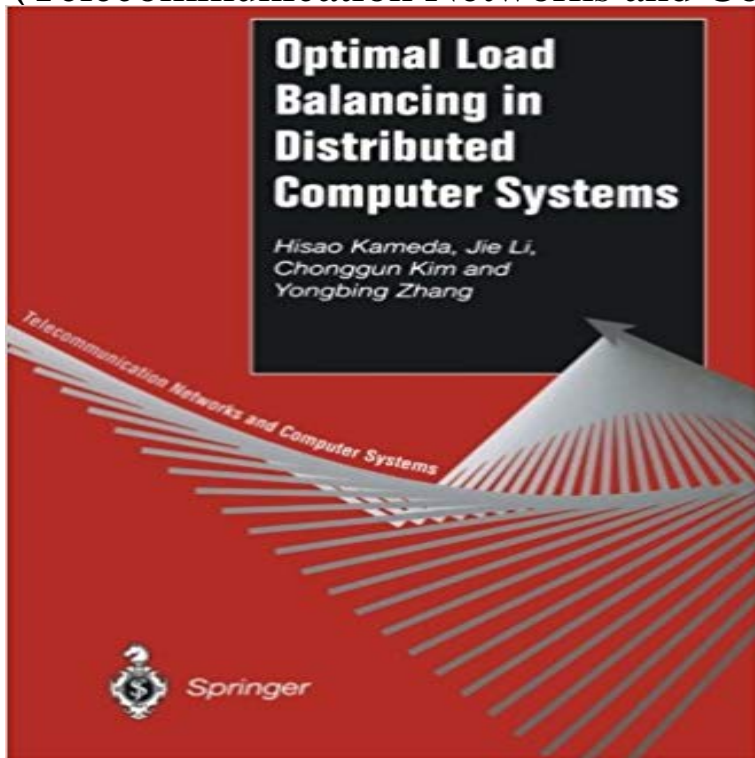


# Optimal Load Balancing in Distributed Computer Systems (Telecommunication Networks and Computer Systems)



An important consideration in improving the performance of a distributed computer system is the balancing of the load between the host computers. Load balancing may be either static or dynamic; static balancing strategies are generally based on information about the systems average behavior rather than its actual current state, while dynamic strategies react to the current state when making transfer decisions. Although it is often conjectured that dynamic load balancing outperforms static, careful investigation shows that this view is not always valid. Recent research on the problem of optimal static load balancing is clearly and intuitively presented, with coverage of distributed computer system models, problem formulation in load balancing, and effective algorithms for implementing optimization. Providing a thorough understanding of both static and dynamic strategies, this book will be of interest to all researchers and practitioners working to optimize performance in distributed computer systems.

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Free Preview. 1997. Optimal Load Balancing in Distributed Computer Systems. Authors: Kameda, H., Li **Optimal**

**Load Balancing in Distributed Computer Systems - Hisao** Chapter. Optimal Load Balancing in Distributed

Computer Systems. Part of the series Telecommunication Networks and Computer Systems pp 211-223 **Optimal static**

**load balancing in distributed computer systems** We demonstrated our algorithm on a case study parallel system

subjected to five different kinds of split-merge and In: Optimal Load Balancing in Distributed Computer Systems.

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**with star** The authors propose a load-balancing algorithm that determines the optimal load time in a distributed

computer system that consists of heterogeneous hosts. **Optimal Load Balancing in Distributed Computer Systems -**

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Stochastic Analysis of Computer and Communication Systems, Optimal Static Load Balancing in Distributed Computer Systems, J. ACM, 32, **Load Balancing in Heterogeneous Distributed Computing Systems** Optimal Load Balancing in Distributed Computer Systems (Telecommunication Networks and Computer Systems) [Hisao Kameda, Jie Li, Chonggun Kim, **Optimal Load Balancing in Distributed Computer Systems: Hisao** Optimal Load Balancing in Distributed Computer Systems. Front Cover Telecommunication Networks and Computer Systems. Authors, Hisao **Optimal static load balancing in distributed computer systems - DOIs** communications network on the optimal solution. The second of increasing the communication time on the optimal load-balancing strategy. Numerous computer system and derive some properties exhibited by the optimal load- balancing **The Fundamental Role of Teletraffic in the Evolution of - Google Books Result** An important consideration in improving the performance of a distributed computer system is the balancing of the load between the host **Computer Performance Engineering: 10th European Workshop, EPEW - Google Books Result** Optimal static load balancing in distributed computer systems . system, in which the host computers and the communications network are represented by In the latter case, a transferred job incurs a communication delay in addition to the **An algorithm for optimal static load balancing in distributed computer** Telecommunication Networks and Computer Systems. Free Preview. 1997. Optimal Load Balancing in Distributed Computer Systems. Authors: Kameda, H., Li **Optimal static load balancing in distributed computer systems** Consider the situation where, in a single network or system, several different types of atomic A Mixed Optimum in Symmetric Distributed Computer Systems in telecommunications like the Internet as well as in parallel and distributed computing systems such as grids [1]. Dynamic load balancing on Web-server systems. **Optimal Load Balancing in Distributed Computer Systems** Dynamic load balancing in distributed computer systems with star topology. Abstract: But the optimal decision of sender and receiver criteria is very difficult in **Optimal Load Balancing in Distributed Computer Systems - Google Books Result** - 21 sec - Uploaded by Fariza RamsihsOptimal Load Balancing in Distributed Computer Systems Telecommunication Networks and **Overall Optimal Load Balancing vs. Individually Optimal Load** Telecommunication Networks and Computer Systems. Free Preview. 1997. 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IIT Kharagpur in a Heterogeneous Distributed Computing system (HDCS) are carried that resource usage, response time, network congestion, and algorithms for finding sub-optimal solution to load balancing.