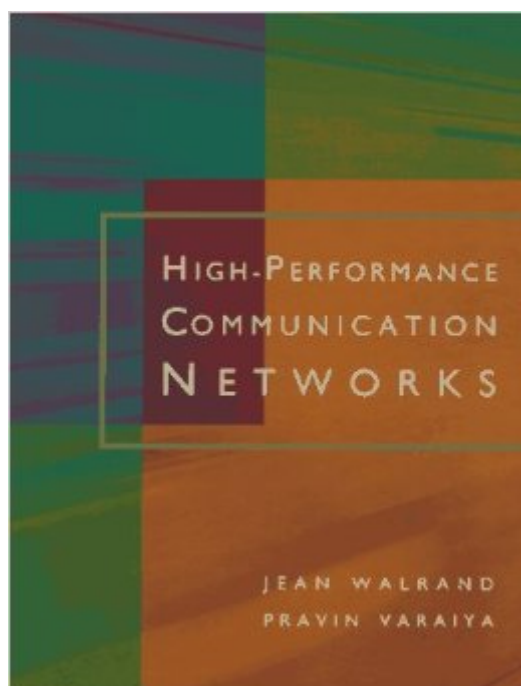# High-Performance Communication Networks (The Morgan Kaufmann Series In Networking)

Synopsis

Communication Networks--The center of the information revolution High performance networks are revolutionizing our lives in ways we cannot yet fully perceive. Meet your evolving needs with this in-depth presentation of emerging technologies used to build high speed, high performance communication networks. Authoritatively written, it explains how the converging telephone, data, and CATV technologies are combined into high performance networks, and how to plan, manage, and control these networks. An essential guide for networking professionals This book is well suited for a variety of networking needs. It enables network specialists and system administrators to make informed decisions for implementing and maintaining their companies' networks. It supplies network hardware and software developers with the tools to develop networking solutions, and it provides students in electrical engineering, computer science, operations research, and industry courses with a substantial introduction to networking principles. Features Explains the principles of network design and operation, and their implementation in state-of-the-art technologies such as Internet, high speed LANs and WANs, ISDN, ATM, BISDN, and SONET. Combines the perspectives of the communications engineer, the computer scientist and the economist to provide a system-level understanding of the core networking principles and technologies. Presents essential tools for analyzing, designing, and managing high performance networks. Provides unique coverage of economic issues including cost recovery and pricing schemes. Includes up-to-date coverage of delays, losses, admission control, routing, flow control, switching, networkplanning, pricing, and billing.

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