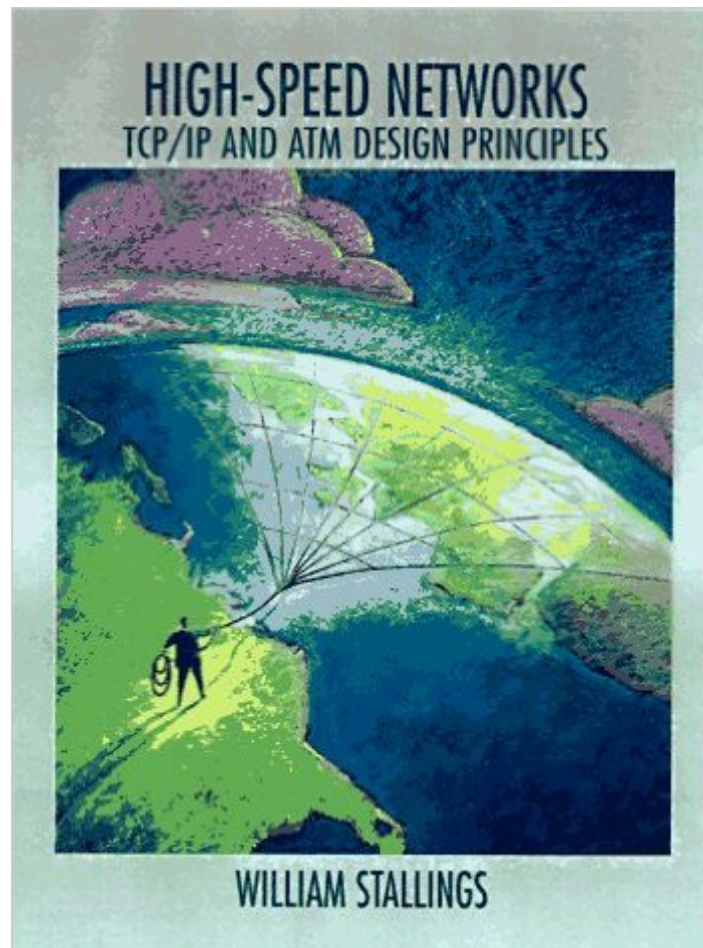


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# High-Speed Networks TCP/IP And ATM Design Principles



## Synopsis

Bestselling author William Stallings presents comprehensive, up-to-date coverage of TCP performance design issues. A high-level overview of cutting-edge network and Intranet design, this book focuses on high-speed technologies like routing for multimedia, how to manage traffic flow, and compression techniques for maximizing throughput.

## Book Information

Series: William Stallings Books on Computer and Data Communications Technology

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Average Customer Review: 3.7 out of 5 stars [See all reviews](#) (7 customer reviews)

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## Customer Reviews

Fortunately, this is not the typical High Speed Networks book. Unlike most authors, Stallings goes as deep as required. Beginning with descriptions for ATM and high speed LANs, the book explains how to model and estimate the actual network performance, by using statistics models. (An overview of probability and stochastic processes is included). The mechanisms for improving the network performance (as different queuing strategies), and managing network congestion are explained. Some IP related topics (routing protocols, RSVP, Multicast) are also included. Part 7 (optional for most readers) is concerned with compression and information theory (JPEG and MPEG algorithms are explained). As you see, a serious book, not a "bubbleware" book.

if u want to study high speed networking then please dont buy this book and waste your money. there are many other books which cover the same areas in equal detail. this book will not only

confuse you but it will also muddle the existing concepts that u had in mind... Stallings is a good writer.. he has written good books in the past.. but this time he has not come up to the level which is expected from him.

This is a copy from the famous book of Stallings "data and computer networks". Even the diagrams are the same, but this book does have a tremendous amount of numerical computations, so you can satisfy the mathematicians in you. Now that I have had a course in data communication where the other book I mentioned above was used, I understand this book. This book is definitely not to be the 1st book on datacom, definitely the 2nd. This is an extremely boring book though, it does not invite you to read it, even though it has some very interesting topics in it.

The author aims for a neat look and straightforward diagrams but as soon as I got to chapter 4, I am confused. I am not an industry expert but ATM doesn't seem a viable long term technology. If other people think the same way, why does the book describe it in a positive way ?? The rest of the book then goes more into theory and normal networking concepts that you can learn from a probably cheaper, "normal speed networking book" ? Overall, if you already have a networking book, let's say from Tannenbaum or Comer than I don't think this book is a viable "second networking book" option. Cheers, Zoltan

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