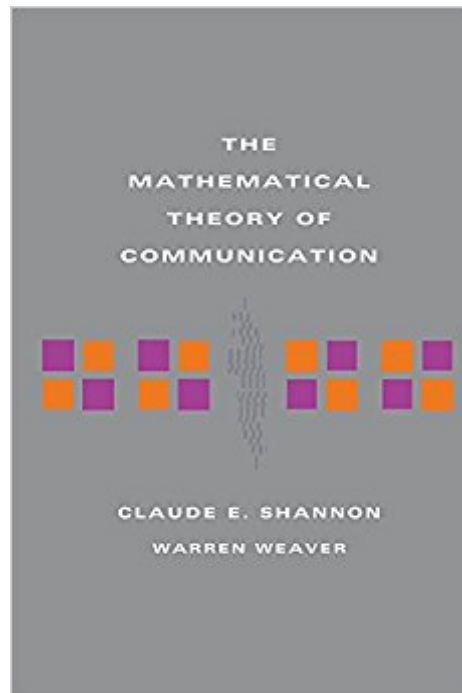




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# The Mathematical Theory Of Communication



## Synopsis

Scientific knowledge grows at a phenomenal pace--but few books have had as lasting an impact or played as important a role in our modern world as *The Mathematical Theory of Communication*, published originally as a paper on communication theory more than fifty years ago. Republished in book form shortly thereafter, it has since gone through four hardcover and sixteen paperback printings. It is a revolutionary work, astounding in its foresight and contemporaneity. The University of Illinois Press is pleased and honored to issue this commemorative reprinting of a classic.

## Book Information

File Size: 2442 KB

Print Length: 146 pages

Publisher: University of Illinois Press (September 1, 1998)

Publication Date: September 1, 1998

Sold by: Digital Services LLC

Language: English

ASIN: B00VVH4UE8

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Not Enabled

Screen Reader: Supported

Enhanced Typesetting: Enabled

Best Sellers Rank: #90,903 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #2

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## Customer Reviews

shannons work lay out the future of networking... a great read if ur a computer and history buff alike (like myself)

If you want to understand the underlying math and logic behind compute and communication there

is no way around this seminal work. On top of that it is very well written and about as easy to understand as anything this fundamental and important can be made.

This is a classic text - the text on communications theory that started a revolution in digital communications. The original Bell System Technical Journal papers by Shannon are included, which give credit to the work of R.V.L. Hartley and Harry Nyquist. It is available freely on the web, but this small format book with Weaver's article is a gem.

As a mathematical layperson, I was still able to understand some of the core insights from this book. A must-read for communication scholars in any discipline - from the sciences to the humanities.

It's hard going for a general reader, but if you persist, you begin to get a rudimentary understanding, and a glimpse of what happens when science makes a breakthrough.

This is a great classical book! Probably it is not so fresh because Shannon's theory had been prevailed all over the world, but his theory hasn't waned at all. This book is written in plain words, and explanations are delivered carefully word-by-word. Of course, as is usual with mathematic-related books, there are mathematical expressions such as logs or integrals, but they are fairly tolerable. I think this is a "must read" book for communication engineers, although this is not a "How To" book and you wouldn't be able to apply this theory directly to your daily project.

I became understand about another definition of communication. The comprehensive one

This is a very general overview of communications theory that is not specific to either electronics nor to human communications, but more to describing information transfer concepts and metrics. To get the most of this book, you should have a fair memory of the concepts of differential and integral calculus but not more (e.g. differential equations).

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