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INTRODUCTION T HE recent development of various methods of modulation such as PCM and PPM which exchange bandwidth for signal-to-noise ratio has intensi?ed the interest in a general theory of communication. A basis for such a theory is contained in the important papers of Nyquist<sup>1</sup> and Hartley<sup>2</sup> on this subject. In the present paper we ...

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mathematician Claude E. Shannon published in Bell System Technical Journal in 1948. It was renamed The Mathematical Theory of Communication in the 1949 book of the same name, a small but significant title change after realizing the generality of this work.

*A Mathematical Theory of Communication - Wikipedia*

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In 1948 Shannon published “A Mathematical Theory of Communication,” which built on the foundations of other researchers at Bell Labs such as Harry Nyquist and R.V.L. Hartley. Shannon’s paper, however, went far beyond the earlier work. It established the basic results of information theory in such a complete form...

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problem of communication. The mathematical theory of the engineering aspects of communication, as developed chiefly by Claude Shannon at the Bell Telephone Laboratories, admittedly applies in the first instance only to problem A, namely, the technical problem of accuracy of transference of various types of signals from sender to receiver. But the theory has, I think, a deep significance ...

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The Shannon and Weaver Model of Communication is a mathematical theory of communication that argues that human communication can be broken down into 6 key concepts: sender, encoder, channel, noise, decoder, and receiver.

*Shannon Weaver Model of Communication | 7 Key Concepts (2020)*

Communication theory is a field of information theory and mathematics that studies the technical process of information, as well as a field of psychology, sociology, semiotics and anthropology studying interpersonal communication and intrapersonal communication.

*Communication theory - Wikipedia*

In 1948, Shannon was an American mathematician, Electronic

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engineer and Weaver was an American scientist both of them join together to write an article in “Bell System Technical Journal” called “A Mathematical Theory of Communication” and also called as “Shannon-Weaver model of communication”.

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Mathematical Theory of Communication Shannon, Claude & Warren Weaver Published by UNIF OF ILLINOIS PRESS, URBANA, IL (1949)

*The Mathematical Theory of Communication by Shannon Claude ...*

A mathematical theory of communication Abstract: The recent development of various methods of modulation such as PCM and

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PPM which exchange bandwidth for signal-to-noise ratio has intensified the interest in a general theory of communication. A basis for such a theory is contained in the important papers of Nyquist 1 and Hartley 2 on this subject.

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Claude Elwood Shannon (April 30, 1916 – February 24, 2001) was an American mathematician, electrical engineer, and cryptographer known as "the father of information theory". Shannon is noted for having founded information theory with a landmark paper, "A Mathematical Theory of Communication", that he published in 1948.

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@article{Shannon1948AMT, title={A mathematical theory of communication}, author={C. Shannon}, journal={Bell Syst. Tech. J.}, year={1948}, volume={27}, pages={379-423} } C. Shannon; Published 1948; Mathematics, Computer Science; Bell Syst. Tech. J. In this final installment of the paper we consider the case where the signals or the messages or both are ...

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