

Information Theory And Reliable Communication

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Information Theory and Reliable Communication Chapter 1. COMMUNICATION SYSTEMS AND INFORMATION THEORY. 1.1 Introduction. Communication theory deals primarily with systems for transmitting information or data from one point to another. A rather general block diagram for visualizing the behavior of such systems is given in Figure 1.1.1.

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G. Gallager, Information Theory and Reliable Communication – Robert M. Fano. Transmission of Information: A Statistical Theory of Communications. – Andrew J. Viterbi, Jim K. Omura.

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R. Gallager, \A Simple Derivation of the Coding Theorem and Some Applications," IEEE Trans. on Inform. Theory, Jan. 1965 In addition some concepts found in R. Gallager, Information Theory and Reliable Communication, Wiley 1968 Mikael Skoglund, Information Theory 1/29

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His book, Information Theory and Reliable Communication (New York: Wiley 1968), placed Information Theory on a firm foundation. His joint papers in 1993 with Parekh, "A Generalized Processor Sharing Approach to Flow Control in ISN," won the 1993 William Bennett Prize Paper Award and the 1993 Infocomm Prize Paper Award.

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