The Mathematical Theory of Communication

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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 in the Bell System Technical Journal 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. Claude E. Shannon is a research mathematician at the Bell Telephone Laboratories and Donner professor of science at the Massachusetts Institute of Technology. Warren Weaver, at present a consultant on scientific projects to the Sloan Foundation, has had a distinguished academic, government, and foundation career. Both authors have received numerous awards and honors."A beautiful example of a theory that unifies hitherto separate branches of physical science, and Dr. Weaver makes important suggestions as to how this unity may be extended to include semantics and pragmatics."--Philosophical Review

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