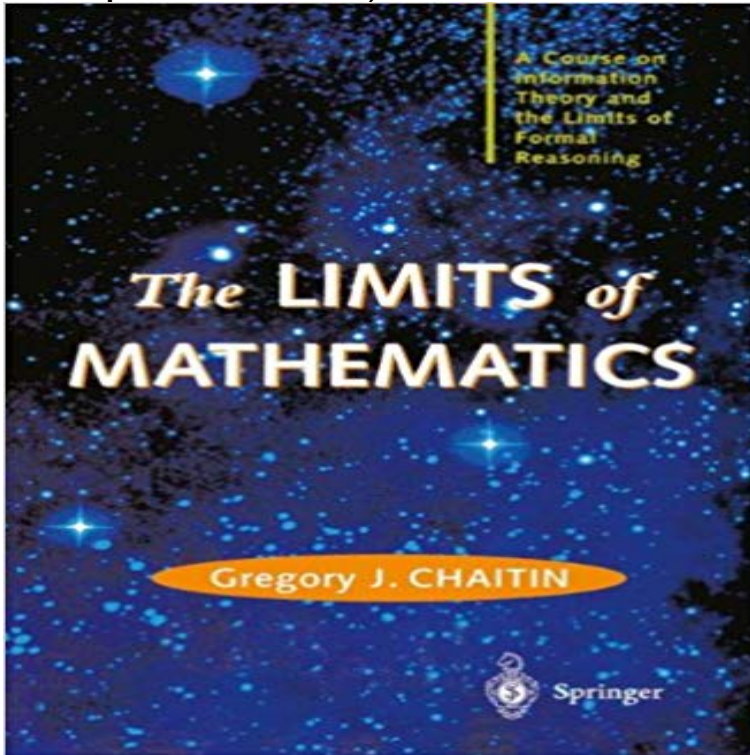


The LIMITS of MATHEMATICS: A Course on Information Theory and the Limits of Formal Reasoning (Discrete Mathematics and Theoretical Computer Science)



As a teenager, Greg created independently of Kolmogorov and Solomonoff, what we call today algorithmic information theory, a subject of which he is the main architect. His 1965 paper on gedanken experiments on automata, which he wrote when he was in high school, is still of interest today. He was also heavily involved in IBM, where he has worked for almost thirty years, on the development of RISC technology. Greg's results are widely quoted. My favorite portrait of Greg can be found in John Horgan's—a writer for Scientific American—1996 book *The End of Science*. Greg has gotten many honors. He was a guest of distinguished people like Prigogine, the King and Queen of Belgium, and the Crown Prince of Japan. Just to be brief, allow me to paraphrase Bette Davis in *All About Eve*. She said, Fasten your seat belts, it's going to be a bumpy talk! Ladies and Gentlemen, Greg Chaitin! [Laughter & Applause] CRISTIAN CALUDE introducing GREGORY CHAITIN at the DMTCS96 meeting at the University of Auckland.

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theory is to determine the practical limits on what computers can and cannot do. . It is a theory in theoretical computer science, under Discrete mathematics (a **The Limits of Mathematics: A Course on Information Theory and the** First appeared in the Journal of Scientific Exploration, Vol. 16(4): The Limits of Mathematics, a Course on Information Theory and Limits of Formal Reasoning., **Unconventional Models of Computation - Google Books Result** The LIMITS of MATHEMATICS: A Course on Information Theory and the Limits of Formal Reasoning (Discrete Mathematics and Theoretical Computer Science) **Game theory - Wikipedia** The Limits of Mathematics has 20 ratings and 3 reviews. The Limits of Mathematics: A Course on Information Theory and the Limits of Formal Reasoning. **The LIMITS of MATHEMATICS: A Course on** - Gain-bandwidth product, slew-rate and other limitations of real devices. 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