

COLLOQUIUM

DEPARTMENT OF MATHEMATICS AND STATISTICS
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ALGORITHMIC INFORMATION THEORY

Abstract

I'll outline this theory of program-size complexity or algorithmic information as it is presented in my recent Springer-Verlag volume "Exploring Randomness", and indicate how it enables one to define a random or patternless bit string to be one with maximal information content.

372 Science and Engineering Building
Thursday, October 25th, 2001
10:00 to 11:00 A.M.
(Refreshment at 9:30 to 10:00 P.M. in Room 368,
Science and Engineering Building)

About the speaker

Dr. Chaitin is at the IBM Thomas J. Watson Research Center in New York, and is the author of a trilogy of Springer-Verlag books presenting his theory of algorithmic information, its history, and its applications to metamathematics. His popular science book “Conversations with a Mathematician” has just been published by Springer-Verlag in the UK. For more information about Dr. Chaitin, please read the notice for the Hammerle Lecture or visit his webpage <http://www.cs.umaine.edu/~chaitin>.