

Undergraduate Math Club

Winter 2007

2nd floor Nesbitt Common Room

Friday, March 30, 4:10-5:00pm

(free pizza and pop, as always)

The Mathematics behind Google's PageRankTM

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Abstract

In this talk, I will explain how Google ranks the pages they show in their search results. The talk will focus more on the ideas behind PageRankTM rather than theorems and proofs. Some of the topics I will talk about include linear algebra, probability theory, and Markov chains. I will only assume basic notions of linear algebra and calculus, such as vector-matrix multiplication and convergence of sequences of real numbers.