Undergraduate colloquium

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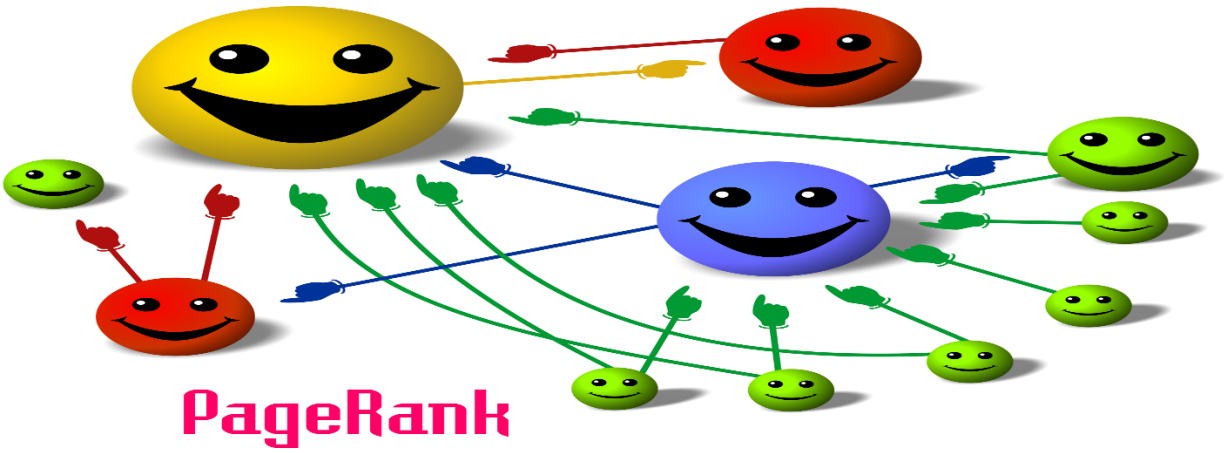
The Linear Algebra Behind Google's PageRank: Finding a Needle in a World-Wide Haystack

October 22, SW231, 12pm

The success of Google derives in large part from its PageRank algorithm. By ranking the importance of webpages, PageRank is able to provide incredibly useful suggestions for online searches. Remarkably, the ideas behind the PageRank algorithm use only elementary Linear Algebra. In this talk we will explain the mathematics behind the PageRank algorithm, and examine how Google does the calculations to return quick and accurate suggestions when a user performs a search.



As usual pizza will be served

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