1014-V1-1666   **Pedro Teixeira*** (`teixeirp@union.edu`). *Googling with Linear Algebra.*

The success of web search engine *Google* can be attributed to a system devised to rank the importance of websites, where the importance of a website is related to the importance of the websites that link to it. This system is a variant of a ranking system introduced in the 1950's by Kendall and Wei. In this talk I'll discuss the system used by Google and the mathematics behind it, and in particular how it relates to topics one typically learns in a Linear Algebra course. (Received September 28, 2005)