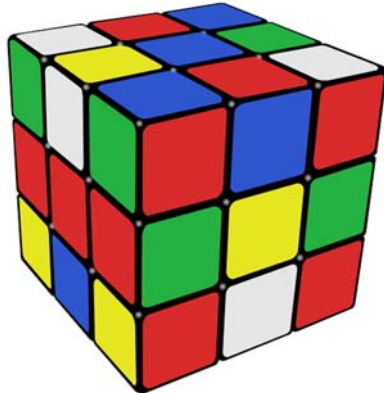


Department of Mathematics

Spring 2016 Colloquium Series



Tensors and Their Eigenvectors

Bernd Sturmfels, Ph. D.

Professor of Mathematics, Statistics and Computer Science
University of California at Berkeley

Thursday, March 24, 2016

Behavioral and Social Sciences Building Room 166, 4 p.m.

Eigenvectors of square matrices are central to linear algebra. Eigenvectors of tensors are a natural generalization. The spectral theory of tensors was pioneered by Lim and Qi a decade ago, and it has found numerous applications. We present an introduction to this theory, with focus on results on eigenconfigurations due to Abo, Cartwright, Robeva, Seigal and the speaker. We also discuss a count of singular vectors due to Friedland and Ottaviani.

For a complete abstract,
go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>



*We invite you to the Pre-colloquium Tea on the third floor of the BSS
building at 3:15 on Thursday.*