

# Stanford Department of Mathematics Colloquium

## PLATO'S CAVE: WHAT WE STILL DON'T KNOW ABOUT THE PROJECTIONS IN PROJECTIVE GEOMETRY

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### Abstract

Varieties can be studied by projecting them until they are hypersurfaces. How much is lost? I'll talk about some of the history, about what is known, and about the puzzles that remain. I'll also mention some recent joint results of mine with Roya Beheshti.

Thursday, November 15  
4:15 p.m.  
Room 380-W

<http://math.stanford.edu/coll/0708/>