



The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University



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U. Washington

Algebraic Vision

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Abstract: Algebraic vision is an emerging view point of problems in computer vision that aims to model and solve problems in that field using polynomials. This brings in new tools and ideas from a number of areas that are not commonly used in computer vision such as combinatorics, algebraic geometry and algebraic optimization. In this talk, I will explain a particular geometric problem concerning the reconstruction of 3D scenes from camera images, that proceeds by algebraic means.

Background: One course in linear algebra.

About the speaker: Rekha Thomas received a Ph.D. in Operations Research from Cornell University in 1994 and is currently a professor of mathematics at the University of Washington in Seattle. Her research interests are in optimization and computational algebraic geometry.

SNACKS IN MH331B AT 2:30 PM

TALK STARTS AT 3:00 PM

For more information, see our full schedule at:

<http://www.math.sjsu.edu/~hsu/colloq/>