

*Department of Mathematics,
University of California, San Diego*

Math 295 - Mathematics Colloquium

Prof. Fernando Rodriguez Villegas

UT Austin

Combinatorics and Geometry

Abstract:

In this talk I will discuss a combinatorial calculation of the polynomial that counts the number of indecomposable representations of a certain quiver and dimension vector. I will start by introducing quivers, their representations and Kac's results and conjectures on such counting polynomials in general. The combinatorial calculation involves the reliability polynomial of alternating graphs. I will end with the main motivation for the calculation: its relation to the geometry of character varieties.

Host: Kiran Kedlaya

Thursday, February 23, 2012

4:00 PM

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