



The Mathematical Association of America

**Math Department Colloquium/
Math Club/MAA Student Chapter presents**

Algebra for the Quantum World

Gizem Karaali, Pomona College

Wednesday, January 31, 2007

3 – 4 pm, Simpson Tower 213

Refreshments 2:30 - 3

The term "quantum group" is itself only very loosely defined. However, the theory involving the relevant algebraic (and geometric) objects is fascinating. The main purpose of this talk is to provide a comprehensible exposition of the algebraic theory of quantum groups, though towards the end, a few fuzzy and vague words will be used to explain what I do in my research. Along the way I expect to mention representation theory, Lie algebras, and Hopf algebras, although no previous knowledge of these terms will be necessary to follow the talk. If you know how to multiply matrices, then you have the right prerequisites.

For more information, contact Mike "Quimby" Krebs at mkrebs@calstatela.edu or Tony Shaheen at ashahee@calstatela.edu.

Math Club website: http://www.calstatela.edu/academic/math/Math_Club/mathClub.htm