



The Mathematical Association of America

**Math Department Colloquium/
Math Club/MAA Student Chapter presents
Intrinsically Knotted and Linked Graphs**

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Wednesday, January 17, 2007

3 – 4 pm, Simpson Tower 213

Refreshments 2:30 - 3

Is there a graph such that every embedding of it in \mathbf{R}^3 contains a nontrivial knot or link? Yes: every embedding of \mathbf{K}_6 (the complete graph on six vertices) in \mathbf{R}^3 contains two disjoint cycles with nonzero linking number; and every embedding of \mathbf{K}_7 in \mathbf{R}^3 contains a cycle that is a nontrivial knot. I'll give a survey of some known results and open questions on "intrinsically linked and knotted" graphs.

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