Mathematics, Statistics, and Computer Science   **@ UIC**

Quantum Topology / Hopf Algebra Seminar

Khovanov Homology and Lee Homology

Louis Kauffman (UIC)

Abstract: Lee homology is a variant of Khovanov homology, using a different Frobenius algebra. We will review how this structure comes about and show how to calculate Lee homology. We then explain how Lee homology and Khovanov homology combine to give information about the 4-ball genus of some knots (Rasmussen invariant).

Tuesday, May 23 at 3:00 PM in SEO 612