

Hitoshi Murakami (Tokyo Institute of Technology)

Title: Asymptotic behavior of the colored Jones polynomial

Abstract: I will talk about a relation of the asymptotic behavior of the colored Jones polynomial of a knot with the volume, the Chern-Simons invariant, and the Reidemeister torsion of the knot complement, all of which are associated with a representation of the fundamental group to the Lie group $SL(2;C)$.