

1106-57-2196

**Adam Giambrone\*** (giambroneaj@alma.edu). *Volume Bounds for Families of A-Adequate Link Diagrams.*

In this talk, we will examine how the structure of certain families of A-adequate link diagrams can be used to produce bounds for the hyperbolic volume of the link complement. These volume bounds can be expressed in terms of two diagrammatic quantities: a count of the number of twist regions in the link diagram and a count of the number of certain alternating tangles in the link diagram. Furthermore, in many cases, these bounds can also be expressed in terms of a single stable coefficient of the colored Jones polynomial. (Received September 16, 2014)