

March 14: Peter Trapa (University of Utah), *Examples of reducible characteristic cycles of Harish-Chandra modules.*

Characteristic cycles of Harish-Chandra modules are a subtle geometric invariant of considerable interest. For example, they are at the heart of the Adams-Barbasch-Vogan approach to the Arthur conjectures at the archimedean places. In this talk, we give some new examples of reducible characteristic cycles for representations of $SU(p, q)$. These examples are closely related to (though in many ways simpler than) the examples that Kashiwara-Saito found for Schubert varieties for $SL(n)$. This is joint work with L. Barchini and P. Somberg.