

1100-22-303

**Roger Zierau\*** ([zierau@math.okstate.edu](mailto:zierau@math.okstate.edu)). *Some examples of the Computation of Invariants of Harish-Chandra Modules*. Preliminary report.

This lecture will give some examples of how one can compute leading term cycles and associated varieties of certain Harish-Chandra modules. One example is that of irreducible representations in the cell of a minimal representation. Other examples are certain highest weight Harish-Chandra modules, from which one may compute invariants of non highest weight Harish-Chandra modules. These invariants come from algebraic and geometric constructions, but give analytic information about (for example) the global character of an irreducible representation. (Received February 10, 2014)