

J.E. HUMPHREYS

University of Massachusetts, Amherst

Cells in affine Weyl groups and reduced enveloping algebras (25-30)

This talk will outline several (mainly conjectural) connections between the cells for an affine Weyl group and the representations of reduced enveloping algebras attached to corresponding nilpotent orbits. Evidence for such connections comes from several directions, including work of Jantzen, Lusztig, and Bezrukavnikov–Mirkovic–Rumynin.