

## Claudiu Raicu: **Characters of equivariant D-modules on spaces of matrices**

I will describe the characters of the simple  $GL$ -equivariant  $D$ -modules on a complex vector space of matrices (general, symmetric, or skew-symmetric) and explain how this information can be used to compute local cohomology modules, as well as to (dis)prove some cases of a conjecture of Levasseur.