



International conference on
MODULES AND REPRESENTATION THEORY
Cluj-Napoca, July 7 – 12, 2008



Character formulae for classical groups

Péter Frenkel

Rényi Institute of Mathematics, Budapest
[frenkelp@renyi.hu]

We give variants of the Weyl character formula that relate the value $\chi_\lambda(g)$ of an irreducible character of a classical matrix group G to entries of powers of the matrix $g \in G$. This yields a far-reaching generalization of a result of J. L. Cisneros-Molina concerning the GL_2 case.