
VYACHESLAV FUTORNY, University of Sao Paulo

Algebras of invariant differential operators and their representations

We will discuss algebras of G -invariant differential operators on affine space and on a torus for a complex reflection group G . In particular, we address the Noncommutative Noether's Problem for the invariants of Weyl algebras and their representations. The talk is based on recent joint results with F.Eshmatov and J.Schwartz.