

Queen's Algebraic Geometry — Seminar —

VOLICHENKO ALGEBRAS AS ALGEBRAS OF DIFFERENTIAL OPERATORS

UMA IYER
SUNY Potsdam

Abstract

A Volichenko algebra is a nonhomogeneous subspace of Lie superalgebra which is closed under the superbracket. Metaabelian algebras are associative algebras such that $[a, [b, c]] = 0$ for all a, b and c from M . In this talk, I will provide an appropriate definition of differential operators on metaabelian algebras so that Volichenko algebras can be viewed as algebras of differential operators.

Monday, March 13, 2006
4:00pm – 5:00pm
202 Jeffery Hall