Jaroslaw Wisniewski (Warschau)
Differentials of Cox rings: Jaczewski's theorem revisited

ZEIT:
27.6.2011, 16:00 Uhr - 17:00 Uhr

ORT:
Freie Universität Berlin, Institut für Mathematik
Arnimallee 3
14195 Berlin
SR 119

The Cox ring of a (complex) projective variety provides information about the geometry of the variety and its small birational modifications. The module of its differentials can be described in terms of the Euler sequence on the variety, or the universal Atiyah extension. The situation is particularly nice if the variety in question is toric. I will introduce these notions and explain the results of a joint work with Oskar Kedzierski.

Kontakt:
Humboldt-Universität zu Berlin . Institut für Mathematik
SFB 647 . Unter den Linden 6 . 10099 Berlin
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727
sfb647@math.hu-berlin.de