



Jaroslav Wisniewski (Warschau)

Differentials of Cox rings: Jaczewski's theorem revisited

TIME:

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Freie Universität Berlin, Institut für Mathematik
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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.

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