



Prof. Dr. Alexey Bondal

Vortrag: Toric degenerations of plane sections of Grassmanians related to clusters.

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FU-Berlin
Institut fuer Mathematik
Arnimallee 3, SR 119
14195 Berlin

We construct singular toric varieties which are degenerations of Fano plane sections of Grassmanians $G(2, n)$. The degenerations are related to the cluster description of the graded coordinate algebras of the Grassmannians. These varieties are also degeneration of toric varieties related to associahedra. Mirror symmetry of the constructed families of Fano varieties will also be discussed.

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

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