

Milena Hering

Syzygies of toric varieties

TIME:

18 Apr 2006, 14:00 - 16:00

LOCATION:

FU-Berlin, Institut für Mathematik
Arnimallee 3, Rm. 210

It is a fundamental problem in algebraic geometry to understand the equations and syzygies of a variety in projective space. We say that a very ample line bundle satisfies

(for

) if the induced embedding is projectively normal, the equations defining the image of the embedding in projective space are quadratic and the first

syzygy modules are generated by linear syzygies. I will give an introduction to property

and present necessary criteria for line bundles on toric varieties to satisfy

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