

Seminari de Geometria Algebraica 2009/2010 (UB-UPC)

Dijous 17 de juny a les 15 h a l'aula B1 FM-UB

<http://atlas.mat.ub.es/sga>

On the derived category of smooth, toric varieties with Picard number three

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I will recall definition of derived category and notion of full, strongly exceptional collection of line bundles. I will present some well known results and conjectures and construct such collection on some of smooth toric varieties with Picard number three. As a main tool I will use Batyrev's classification of such varieties, as well as a precise combinatorial description of acyclic line bundles.
