

Hille, Lutz

Tilting line bundles and moduli of thin sincere representations of quivers. (English)

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An. Ştiinţ. Univ. "Ovidius" Constanţa, Ser. Mat. 4, No. 2, 76-82 (1996).

From the summary: Classification problems of vector bundles on smooth projective varieties over an algebraically closed field k and classification problems of modules over finite dimensional k -algebras are closely related via derived equivalences of the corresponding bounded derived categories. We review known results and provide an introduction to the concept of moduli spaces for a certain class of representations of quivers.

Reviewer: F.U.Coelho (São Paulo)

MSC:

- 16G20 Representations of quivers and partially ordered sets
- 16G10 Representations of associative Artinian rings
- 14F05 Sheaves, derived categories of sheaves, etc. (MSC2010)
- 16D40 Free, projective, and flat modules and ideals in associative algebras

Cited in **9** Documents

Keywords:

vector bundles; smooth projective varieties; finite dimensional algebras; derived equivalences; bounded derived categories; moduli spaces; representations of quivers