

Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics

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Summary:

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Fourier-Mukai transform - Wikipedia In algebraic geometry, a Fourier-Mukai transform \hat{K} is a functor between derived categories of coherent sheaves $D(X) \rightarrow D(Y)$ for schemes X and Y , which is, in a sense, an integral transform along a kernel object $K \in D(X \times Y)$. **FOURIER-MUKAI PARTNERS OF SURFACES IN POSITIVE CHARACTERISTIC** **FOURIER-MUKAI PARTNERS OF K3 SURFACES IN POSITIVE CHARACTERISTIC** **MAX LIEBLICH AND MARTIN OLSSON** **CONTENTS** 1. Introduction 1 2. Mukai motive 3 3. Kernels of Fourier-Mukai equivalences 9. Read e-book online Fourier-Mukai and Nahm Transforms in ... Fourier-Mukai functors Orlov's representability theorem This section is devoted to the proof of the following fundamental result by Orlov [242, Thm. 2] and some related issues. 15. Let X and Y be smooth projective varieties. Thus, $H^0(\hat{F})$ is an exact equivalence. By Proposition 40 Chapter 2.

Fourier Mukai And Nahm Transforms In Geometry And ... Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics Free Pdf Download uploaded by Caitlyn Chaplin on October 14 2018. This is a pdf of Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics that reader could be grabbed it by your self on theeccees.org. Fourier-Mukai transforms - University of Bonn Basics Fourier-Mukai transform Compositions Fully faithful Equivalences Spherical twists $X, X_0 =$ smooth projective varieties $/C$ and $E \in D_b(X \times X_0)$. The Fourier-Mukai transform $\hat{K}: E \rightarrow F$ with Fourier-Mukai kernel E is the composition p . Download PDF by Claudio Bartocci, Ugo Bruzzo, Daniel ... Fourier-Mukai and Nahm Transforms in Geometry and Mathematical Physics examines the algebro-geometric procedure (Fourier-Mukai functors) in addition to the differential-geometric structures (Nahm). Additionally integrated is a large amount of fabric from present literature which has no longer been systematically equipped right into a monograph.

Fourier-Mukai Transforms in Algebraic Geometry - Oxford ... This book provides a systematic exposition of the theory of Fourier-Mukai transforms from an algebro-geometric point of view. Assuming a basic knowledge of algebraic geometry, the key aspect of this book is the derived category of coherent sheaves on a smooth projective variety. Fourier-Mukai and Nahm Transforms in Geometry and ... Fourier-Mukai and Nahm Transforms in Geometry and Mathematical Physics examines the algebro-geometric approach (Fourier-Mukai functors) as well as the differential-geometric constructions (Nahm). Also included is a considerable amount of material from existing literature which has not been systematically organized into a monograph. Read Download Fourier Mukai Transforms In Algebraic ... The topics covered include manifolds of special holonomy, supergravity, supersymmetry, D-branes, the McKay correspondence and the Fourier-Mukai transform. The book is suitable for graduate students and research mathematicians interested in relations between mathematical physics and algebraic geometry.

Fourier Mukai transforms and applications to string theory Fourier-Mukai and string theory explicit description of stable holomorphic vector bundles was required and inspired the seminal work of Friedman, Morgan and Witten [58, 59, 61].

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