

# Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics

## Summary:

Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics Free Download Books Pdf added by Annabelle Hernandez on October 16 2018. It is a copy of Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics that reader could be got this for free at tiete2016.org. Fyi, this site can not put book downloadable Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics on tiete2016.org, it's only PDF generator result for the preview.

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 2. Mukai motive 3. 3. Kernels of Fourier-Mukai equivalences 9. big picture - Heuristic behind the Fourier-Mukai transform ... The Fourier-Mukai transform in algebraic geometry gets its name because it at least superficially resembles the classical Fourier transform. (And of course because it was studied by Mukai.) Let me give a rough picture of the Fourier-Mukai transform and how it resembles the classical situation.

Fourier-Mukai transforms for quotient varieties ... A Fourier-Mukai (FM) transform is an exact equivalence  $\hat{K} : D(Y) \rightarrow D(X)$  between the bounded derived categories of coherent sheaves on two smooth projective varieties  $X$  and  $Y$ . Fourier-Mukai transform in nLab - ncatlab.org Anandam Banerjee, Thomas Hudson, Fourier-Mukai transformation on algebraic cobordism, pdf. Discussion of internal homs of dg-categories in terms of refined Fourier-Mukai transforms is in Bertrand Toën, The homotopy theory of dg-categories and derived Morita theory, Invent. Fourier-Mukai transform on abelian surfaces | SpringerLink We study moduli spaces of stable sheaves on abelian surfaces whose Mukai vectors are related by a cohomological Fourier-Mukai transform. We show that there is a Fourier-Mukai transform inducing a birational map between them.

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 PARTNERS OF K3 SURFACES IN POSITIVE CHARACTERISTIC** ... fourier-mukai partners of k3 surfaces in positive characteristic 3 of the appendix is Theorem A.1 concerning the Picard group of the general deformation of a fixed K3 surface from characteristic  $p > 0$  to characteristic 0. **GV-SHEAVES, FOURIER-MUKAI TRANSFORM, AND GENERIC VANISHING** By GIUSEPPE PARESCHI and MIHNEA POPA Abstract. We prove a formal criterion for generic vanishing, in the sense originated by Green.

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].

fourier mukai transform