

# Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics

## Summary:

Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics Download Free Pdf Books hosted by Abby Hilton on December 17 2018. This is a pdf of Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics that visitor could be grabbed this for free on veramaurinapress.org. Just info, i do not host book downloadable Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics at veramaurinapress.org, this is 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** 3 In section 9 we prove statement (2) in Theorem 1.1. Our proof involves deforming to characteristic 0, which in particular is delicate for supersingular K3 surfaces. Finally there is an appendix containing a technical result about versal deformation. Fourier Mukai transforms and applications to string theory aspects of the Fourier-Mukai transforms for them. We also describe spectral covers and so prepare further applications in Section 7. The computation of the topological invariants of the Fourier-Mukai transform is given in section 5. Section 6 is devoted to the application of the Fourier-Mukai transform to certain moduli.

Fourier-Mukai Transforms arXiv:math/0402043v2 [math.AG] 18 ... Fourier transform and is therefore called a Fourier-Mukai transform. In [7] Beilinson showed that  $P_n$  is derived equivalent to a (non-commutative) finite dimensional algebra. 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. Fourier-Mukai transforms for quotient varieties ... Fourier-Mukai transforms are now well-established as a useful tool for computing moduli spaces of sheaves on smooth projective varieties. More recently there has been further interest in these transforms because of their connection with homological mirror symmetry.

**FOURIER MUKAI TRANSFORMS AND APPLICATIONS TO STRING THEORY** - UV The Fourier-Mukai transform was introduced in the study of abelian varieties by Mukai and can be thought of as a nontrivial algebro-geometric analogue of the Fourier transform. **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 and Lazarsfeld and pursued further by Hacon, but in the context of an arbitrary Fourier-Mukai correspondence.

fourier mukai transform