

Fourier Mukai Transforms In Algebraic Geometry Oxford Mathematical Monographs

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Summary:

Fourier Mukai Transforms In Algebraic Geometry Oxford Mathematical Monographs Download Books Free Pdf added by Angelina Jones on November 15 2018. It is a copy of Fourier Mukai Transforms In Algebraic Geometry Oxford Mathematical Monographs that you could be grabbed this with no registration on designerdrugtrends.org. Just info, i dont place file download Fourier Mukai Transforms In Algebraic Geometry Oxford Mathematical Monographs at designerdrugtrends.org, it's only ebook 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 $K \in D(X \times Y)$. Most natural functors, including basic ones like pushforwards and pullbacks, are of this type. Fourier-Mukai Transforms in Algebraic Geometry (Oxford ... This seminal text on Fourier-Mukai Transforms in Algebraic Geometry by a leading researcher and expositor is based on a course given at the Institut de Mathematiques de Jussieu in 2004 and 2005. Aimed at postgraduate students with a basic knowledge of algebraic geometry, the key aspect of this book is the derived category of coherent sheaves on. 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 - University of Bonn Basics Fourier-Mukai transform Compositions Fully faithful Equivalences Spherical twists $X, X_0 =$ smooth projective varieties $/\mathbb{C}$ and $E \in \text{Db}(X \times X_0)$. The Fourier-Mukai transform $\hat{E} : D(X) \rightarrow D(X_0)$ with Fourier-Mukai kernel E is the composition $p_1^* \circ \hat{E} \circ p_2^*$. 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 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.

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 transform

geometric fourier transforms mukai