Fourier Mukai And Nahm Transforms In Geometry And Mathematical Physics

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Summary:

Fourier-Mukai (u/Fourier-Mukai) - Reddit Fourier-Mukai â€¢ 2 points â€¢ submitted 19 minutes ago. Iâ€™m genuinely surprised and a bit disappointed that this ended up on the front page. TimJimKim â€¢ -3 points â€¢ submitted 5 hours ago. Why are they so fat? Fourier-Mukai â€¢ 7 points â€¢ submitted 5 hours ago. Fourierâ€“Mukai transform - Wikipedia In algebraic geometry, a Fourierâ€“Mukai transform Î¦ K is a functor between derived categories of coherent sheaves D(X) â†’ D(Y) for schemes X and Y, which is, in a sense, an integral transform along a kernel object K âˆˆ D(XÃ—Y). Most natural functors, including basic ones like pushforwards and pullbacks, are of this type. 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 4. Zeta functions of FM partners over a ï¬•nite ï¬•eld 14 5. Fourier-Mukai transforms and moduli of complexes 14 6. A Torelli theorem in the key of D 18 7.

Fourier{Mukai transforms and Bridgeland stability ... preserved by a suitable Fourier{Mukai transform (or FMT for short). For the surface case, the fact that a countable family of (Bridgelandâ€™s) geometric stability conditions satis es the numerical conditions for being a stability condition is actually equivalent to the existence of a Fourier{Mukai transform preserving the heart. 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. Toda : Deformations and Fourier-Mukai transforms Partial Fourierâ€“Mukai transform for integrable systems with applications to Hitchin fibration Arinkin, Dima and Fedorov, Roman, Duke Mathematical Journal, 2016; The Euclid-Fourier-Mukai algorithm for elliptic surfaces Bernardara, Marcello and Hein, Georg, Asian Journal of Mathematics, 2014.

Fourier-Mukai Transforms arXiv:math/0402043v2 [math.AG] 18 ... arXiv:math/0402043v2 [math.AG] 18 Jan 2005 Fourier-Mukai Transforms Lutz Hille and Michel Van den Bergh February 1, 2008 Abstract In this paper we discuss some of the recent developments on derived. GV-sheaves, Fourier-Mukai transform, and generic vanishing 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