

Publications of Nicholas M. Katz as of April 23, 2011

Here are several several unpublished manuscripts available on my website www.math.princeton.edu/~nmk

[1unpub] Katz, N., Report on the irreducibility of L-functions, to appear in a volume in honor of Serge Lang.

[2unpub] Katz, N., Appendix: Lefschetz pencils with imposed subvarieties

[3unpub] Katz, N., Hooley parameters for families of exponential sums over finite fields.

Here is a list of my publications

Bombieri, E. and Katz, N., A Note on Lower Bounds for Frobenius Traces, *Enseignement Math.* 56 (2010), 203-227.

MR2743570 [Katz, Nicholas M.](#) 2, 3, 5, Legendre: \pm trace ratios in families of elliptic curves. *Experiment. Math.* 19 (2010), no. 3, 267–277, [11G15](#) ([11G20](#))

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MR2660679 [Dettweiler, Michael](#); [Reiter, Stefan](#) Rigid local systems and motives of type G_2 . With an appendix by Michael Dettweiler and Nicholas M. Katz. *Compos. Math.* 146 (2010), no. 4, 929–963. (Reviewer: Feng-Wen An), [14F05](#) ([14C15](#) [14C25](#) [20G41](#))

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MR2654084 Guralnick, Robert; Harris, Michael; Katz, Nicholas M. Automorphic realization of residual Galois representations. *J. Eur. Math. Soc. (JEMS)* 12 (2010), no. 4, 915–937, 22Exx (11F70 11F80)

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MR2552279 (2010h:11129) Katz, Nicholas M.; Shparlinski, Igor E.; Xiong, Maosheng On character sums with distances on the upper half plane over a finite field. *Finite Fields Appl.* 15 (2009), no. 6, 738–747. (Reviewer: Ping Ding), 11L10 (11T60)

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