

Publications of Nicholas M. Katz as of November 2, 2009

Here are several several unpublished manuscripts available on my website www.math.princeton.edu/nmk

[1unpub] Katz, N., 2,3,5, Legendre: Trace ratios in families of elliptic curves, to appear in *Experimental Mathematics*.

[2unpub] Bombieri, E. and Katz, N., A Note on Lower Bounds for Frobenius Traces, to appear in *Enseignement Math.*

[3unpub] Katz, N., Guralnick, R., Harris, M., and Katz, N., Automorphic realization of residual Galois representations.

[4unpub] Dettweiler, M. and Katz, N., Appendix: On Galois Representations with values in G_2 (appendix to a paper of Dettweiler and Reiter), to appear in *Compositio*

[5unpub] Katz, N., Report on the irreducibility of L-functions, to appear in a volume in honor of Serge Lang.

[6unpub] Katz, N., Another look at the Dwork family, to appear in the *Manin Festschrift*.

[7unpub] Katz, N., Appendix: Lefschetz pencils with imposed subvarieties

[8unpub] Katz, N., Hooley parameters for families of exponential sums over finite fields.

Here is a list of my published papers

Katz, N., From Clausen to Carlitz: low-dimensional spin groups and identities among character sums, *Moscow Mathematical Journal* 9 (2009), no. 1, 57-89.

MR2526797 Katz, Nicholas M. On a question of Bombieri and Bourgain. *Forum Math.* 21 (2009), no. 3, 511--517. 11L40 (11T23)

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MR2507277 Katz, Nicholas M. Lang-Trotter revisited. *Bull. Amer. Math. Soc. (N.S.)* 46 (2009), no. 3, 413--457. 11G05 (11F80 14G35)

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MR2508649 Katz, Nicholas M. On a question of Browning and Heath-Brown. *Analytic number theory*, 267--288, Cambridge Univ. Press, Cambridge, 2009. 11E76 (11C08)

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MR2453601 Hausel, Tamás; Rodríguez-Villegas, Fernando Mixed Hodge polynomials of character varieties. With an appendix by Nicholas M. Katz. *Invent. Math.* 174 (2008), no. 3, 555--624. 14L30 (14D20 14F43)

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MR2435067 (2009g:14025) Katz, Nicholas M. Corrigendum to: " \mathbb{P}^2 and hypergeometric sheaves" [*Finite Fields Appl.* 13 (2007), no. 2, 175--223; MR2307123]. *Finite Fields Appl.* 14 (2008), no. 3, 847. 14G15 (11T24 14D05)

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