

Deshouillers, J.-M.; Iwaniec, H.

Kloosterman sums and Fourier coefficients of cusp forms. (English) Zbl 0502.10021

Invent. Math. 70, 219-288 (1982).

For a scan of this review see the [web version](#).

MSC:

11L05 Gauss and Kloosterman sums; generalizations
11F30 Fourier coefficients of automorphic forms
11F11 Holomorphic modular forms of integral weight
11N35 Sieves
11N37 Asymptotic results on arithmetic functions
11M06 $\zeta(s)$ and $L(s, \chi)$

Cited in **24** Reviews
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Keywords:

trace formulas; large sieve inequalities; congruence groups; interplay between Kloosterman sums and Fourier coefficients of cusp forms; sum formula; real analytic cusp forms; exceptional eigenvalues; applications; greatest prime factors; Brun-Titchmarsh theorem; additive divisor problem; mean-values for Riemann zeta-function

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