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sums - to a family of Kloosterman sums. Katz calculated its monodromy and asked whether there are Kloosterman sheaves for general reductive groups and which automorphic forms should be attached to these local systems under the Langlands correspondence. Thu, 25 Oct 2018 13:45:00 GMT Kloosterman sheaves for reductive groups - gauss.math.yale.edu - We obtain several estimates for bilinear form with Kloosterman sums. Such results can be interpreted as a measure of cancellations amongst with parameters from short intervals. In particular, for ... Wed, 10 Oct 2018 12:08:00 GMT Bilinear Forms with Kloosterman and Gauss Sums | Request PDF - We shall prove that when  $\chi$  varies over multiplicative characters of  $F_q$  other than the  $m$ -th roots of Open image in new window the  $r$ -tuples Open image in new window of angles of Gauss sums are asymptotically equidistributed on the  $r$ -dimensional torus  $(S^1)^r$  as  $q$  goes to infinity. Fri, 02 Nov 2018 21:57:00 GMT Equidistribution of Gauss sums and Kloosterman sums ... - On the distribution of Kloosterman sums. ... (PDF Available) in ... We relate the distribution of the absolute value of some generalized Gauss sums to the absolute irreducibility of some ... Sat, 27 Oct 2018 14:54:00 GMT (PDF) On the

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AND KLOOSTERMAN SUMS OVER RESIDUE RINGS OF ALGEBRAIC INTEGERS RONALD EVANS Abstract. Let  $O$  denote the ring of integers of an algebraic number field of degree  $m$  which is totally and tamely ramified at the prime  $p$ . Write  $q = \exp(2\pi i/q)$ , where  $q = pr$ . We evaluate the twisted Kloosterman sum  $X$  Fri, 26 Oct 2018 18:30:00 GMT GAUSS SUMS AND KLOOSTERMAN SUMS OVER RESIDUE ... - ams.org - The study of exponential sums over finite fields, begun by Gauss nearly two centuries ago, has been completely transformed in recent years by advances in algebraic geometry, culminating in Deligne's work on the Weil Conjectures. Thu, 14 Dec 2017 18:04:00 GMT Gauss Sums, Kloosterman Sums, and Monodromy ... - OverDrive - The study of exponential sums over finite fields, begun by Gauss nearly two centuries ago, has been completely transformed in recent years by advances in algebraic geometry, culminating in Deligne's work on the Weil Conjectures. Thu, 08 Nov 2018 10:22:00 GMT Katz, N.: Gauss Sums, Kloosterman Sums, and Monodromy ... - BILINEAR FORMS WITH KLOOSTERMAN AND GAUSS SUMS 5 For sums of Gauss sums, no general results have been known. However, for a prime  $q = p$  as we have mentioned, one

can derive a non-trivial bound in the case of constant weights from [23, Theorem 3] and in fact for more general sums with the summation over  $n$  over an  $\text{arXiv:1608.06160v1}$  [math.NT] 22 Aug 2016 - A conjecture of Evans on Kloosterman sums Earlier Related Work, cont. Green's analogy between character sum expansion of a function  $f : F_p \rightarrow \mathbb{C}$  and power series expansion of an analytic function:  $\sum_k \hat{f}(x) x^k$ : Basis was analogy between the Gauss sum A conjecture of Evans on Kloosterman sums -

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