

ATELIER « LES GRAPHS ET L'ARITHMÉTIQUE »
8–12 MARS 2010

WORKSHOP ON GRAPHS AND ARITHMETIC
MARCH 8–12, 2010

Incomplete character sums over finite fields

Mei-Chu Chang

Department of Mathematics
UC Riverside
Riverside, CA 92521
USA

`mcc@math.ucr.edu`

We present various new estimates on incomplete character sums over finite fields. In particular, we consider polynomials in several variables that factor completely over an extension field and certain mixed character sums. Several of these issues go back to Burgess' work.