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Exponential sums and reducible polynomials.

Abstract: Hooley proved that if f is a polynomial with integer coefficients, irreducible and with degree bigger than 2, then the fractions r/n with $0 < r < n$, n dividing $f(r)$, are uniformly distributed in $]0,1[$. I will present some results obtained for some reducible polynomials in a joint work with Greg Martin.