



Mathematics Colloquium at Jacobs University Bremen

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will speak

On Primes in Quadratic Progressions

Date: Monday, April 16, 2007

Time: 17:15

Place: Lecture Hall Research II, IUB

Abstract:

It is due to Dirichlet that a linear polynomial with integer coefficients represents infinitely many primes if and only if the coefficients are co-prime. No similar statement is known for any polynomial of higher degree. It has been conjectured by G.H. Hardy and J.E. Littlewood, with asymptotic formula, that any quadratic polynomial that may conceivably present infinitely many primes indeed does. In this talk, I will present a certain approximation to this very difficult problem and an 'almost all' result regarding primes presented by different quadratic polynomials. I will also give sketches of the proofs and talk about the possibilities for improvements.

Colloquium Tea at ca. 16:45 in the Tea Room of Research II, close to the lecture hall. Everybody is welcome!

M. STOLL