Séminaire de théorie des nombres

Le 29 septembre 2008 à 14h

Observations on the "values"
of modular j-function at real quadratics

Exposé de Masanobu Kaneko (Kyushu University)

Résumé : Using Hecke's hyperbolic Fourier expansion, we define "values" of elliptic modular j-function at real quadratic numbers. We present some observations on these values based on numerical experiments. These experiments suggest a relation between the values and the Diophantine approximations of the argument quadratic irrationalities.