Philadelphia Area Number Theory Seminar

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Generalized Hecke Groups and Dirichlet Series

Abstract: Duke introduce the groups $G(A)$ which naturally correspond to an ideal class, A, of a real quadratic field. These groups generalize the Hecke groups $G(\lambda)$, $\lambda > 2$. In this talk, I will describe two problems, which have been solved for the Hecke groups , which I am currently working on generalizing. One problem, solved by Rosen, is the description of the elements of $G(\lambda)$ by continued fractions. The other is Knopp and Sheingorn's construction of modular integrals on $G(\lambda)$ with prescribed log-polymomial periods.

Wednesday, April 24, 2019
2:40 – 4:00 PM

Bryn Mawr College
Department of Mathematics
Park Science Center **328**

Tea and refreshments at 2:20PM in Park 361