

Özlem İmamoğlu, ETH-Zürich

Title: On class number formulas for binary quadratic forms.

Abstract:

Dirichlet's class number formula for binary quadratic forms is well known. In a mostly forgotten paper Hurwitz gave another infinite series representation for the class number of positive definite quadratic forms. In this talk I will start with reviewing the formulas of Dirichlet and Hurwitz and show how the formula of Hurwitz can be generalized to the indefinite case.