

Philadelphia Area Number Theory Seminar

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Franklin & Marshall College

Zeros of Eisenstein Series and Weakly Holomorphic Forms

Abstract: When given a complex function, one of the most natural questions is that of the locations of the zeros. For $f(z)$ is a modular form, most modular forms have many zeros inside a fundamental domain. If little is known about the zeros of a general form, there have been many specific forms or families of forms. In these talks, we will discuss the work of Swinnerton-Dyer about the zeros of Eisenstein series and of weakly holomorphic modular forms. Specifically, we will discuss how to prove that all of the zeros lie on the unit circle.

Thursday, September 24, 2015
Thursday, October 1, 2015
2:40-4:00PM

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

Light refreshments at 2:20PM in Park 355