

SPEAKER: Matt Papanikolas (Texas A&M University)

TITLE: Finite field hypergeometric functions related to Siegel modular forms

ABSTRACT: Examples of formulas that relate Fourier coefficients of classical modular forms to values of finite field hypergeometric functions have been known for some time due to work of Ahlgren, Koike, Ono, and many others. After recalling some of these examples, we will discuss recent work relating hypergeometric values to eigenvalues of a certain Siegel modular form, thus relating finite field hypergeometric functions also to modular forms of degree > 1 . Joint with D. McCarthy.