

ISU ALGEBRA SEMINAR



FALL 2016 SCHEDULE

Wednesdays, 11:00 AM-11:50 AM in Williams Hall, room 21
Refreshments will be provided.

September 29, 2016

Speaker: Lucian Ionescu

Title: Gauss and Jacobi sums

Abstract:

Gauss sums are Fourier coefficients of Dirichlet characters [definitions will be provided!]. Jacobi sums result from Gauss sums. They compute intersection numbers of subgroups ("harmonics"). These Jacobi sums are similar to Veneziano amplitudes which compute how strings interact [in total awe!]; that's more than a hint that Finite String Theory exists! [We'll see Big Foot first, maybe?]