

Philadelphia Area Number Theory Seminar

Heekyoung Hahn

Duke University and Institute for Advanced Study

Langlands' beyond endoscopy proposal and
related questions on algebraic groups and combinatorics

Abstract: Langlands' beyond endoscopy proposal for establishing functoriality motivates the study of irreducible subgroups of GL_n that stabilize a line in a given representation of GL_n . Such subgroups are said to be detected by the representation. In this talk we present a family of results when the subgroup is a classical group in the important special case where the representation of GL_n is a subrepresentation of the triple tensor product representation \otimes^3 . If time permits, we will prove some partition identities arising in this context and discuss their relation to explicit Satake inversion.

Wednesday, April 18, 2018

2:40 { 4:00 PM

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

Tea and refreshments at 2:20PM in Park 339