

Geometry, Groups and Dynamics/GEAR Seminar
(held at the Illinois hub of GEAR)

1:00 pm, Thursday, October 15, 2015, 243 Altgeld Hall

Benson Farb (University of Chicago)

How to make predictions in topology (resp. arithmetic) using arithmetic (resp. topology)

Abstract: Weil, Grothendieck, Deligne and others built an amazing bridge between topology and arithmetic. In this talk I will describe some recent attempts (some successful, some still conjectural) to add planks to this bridge. I hope to convince the audience that the question: "Why is $\zeta(2n)$ the same as the 2-fold loop space of CP^{n-1} ?" is not completely crazy. This is joint work with Jesse Wolfson.

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