Algebraic Topology Seminar

Jeremy Miller

of Purdue will be speaking on

Localization and homological stability

on Tuesday, May 30 at 4:30 pm in
Eckhart 203

Traditionally, homological stability concerns sequences of spaces with maps between them that induce isomorphisms on homology in a range tending to infinity. I will talk about homological stability phenomena in situations where there are no natural maps between the spaces. The prototypical example of this phenomenon is configuration spaces of particles in a closed manifold. In this and other situations, the homological stability patterns depend heavily on what coefficients one considers.

There will be a pretalk at 3pm.

For information, write to Zhouli Xu at `xu@math.uchicago.edu`