Algebra Seminar

Asymptotic stabilization of point counts for moduli spaces

Joseph Gunther
CUNY

Abstract: A common theme in different areas of mathematics is that natural sequences of moduli spaces often stabilize in certain respects: homological stability in topology, convergence of motives in algebraic geometry, finite field point counts in number theory. I'll explain recent point-counting results on Hurwitz spaces parametrizing covers of curves, and moduli spaces of hypersurfaces. Time willing, I'll discuss motivic convergence in the Grothendieck ring of varieties.

Tuesday, November 15, 2016, 4:00 pm
Mathematics and Science Center: W306

Mathematics and Computer Science
Emory University