



Speaker: Boris Hanin
Northwestern University

Tuesday, January 21, 2014
11:00 AM
258 Hurley Hall

Title: Pairing of Zeros and Critical Points of Random Polynomials

Abstract:

The purpose of my talk is to present some new results which prove that zeros and critical points of random polynomials come in pairs. I will explain how this pairing arises naturally by relating zeros and critical points to electrostatics on the Riemann sphere. Time permitting, I will also discuss generalizations of these results to sections of any ample line bundle over a closed Riemann surface.