



Speaker: Sandrine Daurat
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Thursday, February 12, 2015
2:00 PM
125 Hayes-Healy Hall

Title: Dynamics in the basin of attraction

Abstract:

We are interested in the description of the dynamics in the basin of attraction of an attracting set A . For this, we will rely on Works of J. Diller, R. Dujardin et V. Guedj on “small” topological degree rational mappings of a complex projective surface, works themselves based on those of E. Bedford, M. Lyubich et J. Smillie. We establish the laminarity of the Green current T for a large family of endomorphisms. We also build weakly hyperbolic measure of saddle type which represent equidistribution of saddle periodic points included in A ; together with the distribution of the images of almost every point in the basin of attraction in the sense of the trace measure of T .