

Cornell Dynamical Systems Seminar

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*Dynamics of the universal area-preserving map  
associated with period doubling*

In 1984 Eckmann, Koch, and Wittwer gave a computer-assisted proof of the existence of a universal area-preserving map - a map with orbits of all binary periods. This universal map is a fixed point of a locally hyperbolic renormalization operator. In this talk several recent results about the dynamics of the universal map and maps close to it will be described. The talk is based on a joint work with Denis Gaidashev.

Friday, September 3, 2010, 2:15 pm, in 205 Malott Hall