

1133-37-241

C. Carroll* (c-carroll@tamuk.edu). *Hyperbolic automorphisms of the 2-torus with a common topological entropy.*

This talk concerns the nature and number of conjugacy classes determined by hyperbolic automorphisms of the 2-torus with a given topological entropy $\log |\lambda|$. We rely on a natural identification between canonical conjugacy representatives and selected ordered factorizations of integer values of the minimal polynomial of λ , as well as standard results from number theory. (Received July 27, 2017)