

1127-37-357

Holly C Krieger* (hkrieger@dpmms.cam.ac.uk), University of Cambridge, Cambridge, CB3 0WB, United Kingdom. *A spectral gap for the Thurston pullback map of an unbounded family.* Preliminary report.

Work of Buff-Epstein-Koch suggests a connection between the boundedness of a collection of PCF maps in moduli space and the existence of a spectral gap for the corresponding collection of Thurston pullback maps. I will discuss this question in the example of the family of quadratic rational maps satisfying the critical relation $f^2(c_1) = c_2$. In this family, there is a sequence of PCF maps which are unbounded in moduli space, but which have a spectral gap for the Thurston pullback maps. (Received February 07, 2017)