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Harrison Bray, Diana Davis, Kathryn Lindsey and Chenxi Wu*

(wuchenxi2013@gmail.com). *Dynamics of generalized beta-transformations*. Preliminary report.

We study the dynamical properties of the topological generalized beta transformations, which generalizes the concept of generalized beta transformations defined by Gora. In particular, we generalize the result on admissible sequence for unimodular maps to the case of generalized beta maps, and also study the properties of the topological entropy and its Galois conjugates, generalizing some results by Tiozzo and others. This talk represents an ongoing collaboration with Diana Davis, Kathryn Lindsey and Harry Bray. (Received September 26, 2017)