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Kathryn A Lindsey* (lindseka@bc.edu), Maloney Hall, Department of Mathematics, Boston College, Chestnut Hill, MA 02467. *Rings of fire from postcritically finite interval self-maps.*

William Thurston created a plot in the complex plane of the set consisting of all Galois conjugates of all growth rates of postcritically finite unimodular self-maps of an interval. The visually stunning result revealed a set with rich and complicated geometry - resembling a ring of fire. We now call this set the Thurston set. Together with H. Bray, D. Davis and C. Wu, I am investigating the properties of the Thurston set and related sets. I will show some images and movies of these sets and explain some of the theory behind them. (Received September 24, 2018)