

Using Computer Graphics to Develop Research Conjectures about Thurston's Master Teapot

Kathryn Lindsey, Boston College

When W. Thurston created a plot of all Galois conjugates of growth rates of unimodal self-maps of intervals, his stunning image revealed that this set has a rich and mysterious geometric structure. I will discuss several collaborative projects aimed at understanding this set, and how computer-generated images have informed this research.