

1096-37-2094

Joanna Marie Furno* (furnoj@dickinson.edu). *Haar Measures and Hausdorff Dimensions of p -adic Julia Sets*. Preliminary report.

Just as the Julia sets of some rational functions on the complex numbers are contained in bounded subintervals of the real line, the Julia sets of some rational functions on the p -adic numbers are contained in the p -adic integers, for a fixed prime p . In this talk, I will give the Haar measures and Hausdorff dimensions for some examples of such p -adic Julia sets. (Received September 17, 2013)