

1112-30-433

Kyle Kinneberg* (kk43@rice.edu). *Conformal dimension of boundaries of John domains.*

The conformal dimension of a metric space is a quasimetric invariant that has been important in hyperbolic geometry. Motivated by quasiconformal equivalence problems for Kleinian limit sets, Julia sets, and SLE curves, we investigate the conformal dimension of boundaries of certain planar domains. This talk will focus primarily on boundaries of John domains, and we will outline a proof that these have conformal dimension equal to 1. (Received August 10, 2015)