

1129-42-321

Steven Hofmann* (hofmanns@missouri.edu). *Harmonic measure and rectifiability.*

A classical theorem of F. and M. Riesz, proved more than 100 years ago, established mutual absolute continuity of harmonic measure and arc length measure, on the boundary of a simply connected domain in the complex plane with a rectifiable boundary. In this talk, we shall discuss recent progress towards understanding the relationship between absolute continuity properties of harmonic measure in a domain $\Omega \subset \mathbb{R}^d$, and rectifiability of the boundary of Ω . (Received March 19, 2017)