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Abstract

DIMENSION OF THE BOUNDARY IN DIFFERENT METRICS

We consider metrics on Euclidean domains $\Omega \subset \mathbb{R}^n$ that are induced by continuous densities $\rho: \Omega \rightarrow (0, \infty)$ and study the Hausdorff and packing dimensions of the boundary of Ω with respect to these metrics.

References

R. Klén, V. Suomala: Dimension of the boundary in different metrics. *Math. Scand.* 112 (2013), 275–301.