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Accessible parts of the boundary for domains in metric measure spaces

In the setting of Q -Ahlfors regular PI-spaces, we prove that if a domain Ω has uniformly large boundary when measured with respect to the s -dimensional Hausdorff content, then its visible boundary has large t -dimensional Hausdorff content for every $0 < t < s \leq Q - 1$. The visible boundary is the set of points that can be reached by a John curve from a fixed point $z_0 \in \Omega$. This generalizes recent results by Koskela-Nandi-Nicolau (in \mathbb{R}^2) and Azzam (in \mathbb{R}^n). In particular, our approach shows that the phenomenon is independent of the linear structure of the space. This is joint work with Riikka Korte.