Kyle Kinneberg* (kk43@rice.edu). Lower codimension-1 mass bounds in metric spaces.
We discuss a “quantitative topological” isoperimetric inequality in the setting of doubling and linearly locally contractible closed metric manifolds. Namely, the codimension-1 Hausdorff measure of $\partial \Omega$ is bounded below in terms of the in-radii of $\Omega$ and its complement. (Received January 28, 2016)