

1118-28-136 **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 Ω and its complement. (Received January 28, 2016)