1077-49-224   **Frank Morgan*** (`Frank.Morgan@williams.edu`) and **Aldo Pratelli**. *Existence of isoperimetric regions in R^n with density.*

We prove the existence of isoperimetric regions in R^n with density under various hypotheses on the growth of the density. Along the way we prove results on the boundedness of isoperimetric regions. (Received August 15, 2011)