

1137-28-95

**A. Dali Nimer\*** ([nimer@uchicago.edu](mailto:nimer@uchicago.edu)). *Uniform measures: a family of examples and characterizations.*

A measure in  $\mathbb{R}^d$  is called  $n$ -uniform if the measure of a ball of radius  $r$  centered at a point  $x$  of its support is given by  $cr^n$  for some fixed constant  $c > 0$ . In this talk, I will present some results on their geometry including a description of their support and a family of new examples of uniform measures. (Received January 29, 2018)