1127-05-258   **Erik Walsberg***, 606 E. Elm Street, Urbana, IL 61802. *Model-theoretically tame first order expansions of the ordered additive group of real numbers.*

We describe the consequences that model theoretic tameness assumptions on first order expansions of $(\mathbb{R}, <, +)$ have on the geometry and topology of definable subsets of $\mathbb{R}^n$. (Received February 05, 2017)