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Ya'acov Peterzil and **Sergei Starchenko***, Department of Mathematics, University of Notre Dame, Notre Dame, IN 46556. *On Hausdorff limits of o-minimal families in real tori.*

Let $\{X_s: s \in S\}$ be a family of subsets of \mathbb{R}^n definable in some o-minimal expansion of the real field.

Let $\Gamma \subseteq \mathbb{R}^n$ be a lattice and $\pi: \mathbb{R}^n/\Gamma \rightarrow \mathbb{T}$ be the quotient map.

In this talk we consider Hausdorff limits of the family $\{\pi(X_s): s \in S\}$ and formulate conditions when a Hausdorff limit is dense in \mathbb{T} . (Received February 03, 2020)