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Anisah Nabilah Nu'Man* (anuman@ursinus.edu). *Tame Filling Functions for Diestel-Leader Groups*. Preliminary report.

Tame filling functions for finitely presented groups are a quasi-isometry invariant refinement of the intrinsic diameter (isodiametric) function and the extrinsic diameter function. In this talk we will discuss intrinsic tame filling functions for the family of groups $\Gamma_d(q)$ whose Cayley graphs, with respect to a given generating set $S_{d,q}$, are the Diestel-Leader graphs $DL_d(q)$. (Received September 26, 2017)