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Anisah N. Nu'Man* (anisah.numan@spelman.edu). *Intrinsic Tame Filling Functions for Groups.*

Intrinsic tame filling functions for finitely presented groups are a quasi-isometry invariant refinement of the intrinsic diameter (isodiametric) function. In contrast to the intrinsic diameter function, it is unknown if every pair of a finitely presented group G with presentation \mathcal{P} , (G, \mathcal{P}) , has a finite-valued intrinsic tame filling function. Within this talk, I will discuss work done in determining intrinsic tame filling functions for a pair (G, \mathcal{P}) . (Received September 15, 2020)