Summary: We construct families of finitely presented groups exhibiting new divergence behavior; we
obtain divergence functions of the form $r^\alpha$ for a dense set of exponents $\alpha \in [2, \infty)$ and $r^n \log(r)$ for
integers $n \geq 2$. The same construction also yields examples of finitely presented groups which contain
Morse elements that are not contracting.

MSC:
20F65 Geometric group theory
20F69 Asymptotic properties of groups

Keywords:
group divergence; geodesic divergence; Morse element; contracting element

Full Text: DOI

References:


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