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Folding sequences. (English) [Zbl 0927.20013](#)

Rivin, Igor (ed.) et al., The Epstein Birthday Schrift dedicated to David Epstein on the occasion of his 60th birthday. Warwick: University of Warwick, Institute of Mathematics, Geom. Topol. Monogr. 1, 139-158 (1998).

Summary: Bestvina and Feighn showed that a morphism $S \rightarrow T$ between two simplicial trees that commutes with the action of a group G can be written as a product of elementary folding operations. Here a more general morphism between simplicial trees is considered, which allow different groups to act on S and T . It is shown that these morphisms can again be written as a product of elementary operations: the Bestvina-Feighn folds plus the so-called ‘vertex morphisms’. Applications of this theory are presented. Limits of infinite folding sequences are considered. One application is that a finitely generated inaccessible group must contain an infinite torsion subgroup.

For the entire collection see [\[Zbl 0901.00063\]](#).

MSC:

[20E08](#) Groups acting on trees
[57M07](#) Topological methods in group theory
[20E07](#) Subgroup theorems; subgroup growth

Cited in **1** Review
Cited in **15** Documents

Keywords:

[groups acting on trees](#); [free groups](#); [finitely generated inaccessible groups](#); [torsion subgroups](#)

Full Text: [arXiv](#) [EMIS](#)