

A family of fractal non-contracting weakly branch groups

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Abstract

We construct a new example of an infinite family of groups acting on a d -adic tree, with $d \geq 2$ that is non-contracting and weakly regular branch over the derived subgroup.

Keywords: Groups of automorphisms of rooted trees, branch groups.

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Družina fraktalnih neskrčljivih šibko razvejanih grup

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Povzetek

Konstruiramo nov primer neskončne družine grup, ki delujejo na d -ternih drevesih, kjer je $d \geq 2$, in predstavljajo neskrčljivo in šibko regularno razvejanje nad izpeljano podgrupo.

Ključne besede: Grupe avtomorfizmov dreves s korenomo, razvejane grupe.

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