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Injectivity of the positive monoid for some infinite type Artin groups. (English)

Zbl 1079.20500

Cossey, John (ed.) et al., Geometric group theory down under. Proceedings of a special year in geometric group theory, Canberra, Australia, July 14–19, 1996. Berlin: de Gruyter (ISBN 3-11-016366-7/hbk). 103-118 (1999).

Summary: We use CAT(0) geometry to show that for certain classes of infinite type Artin groups A , the associated positive monoid A^+ injects into A .

For the entire collection see [Zbl 0910.00040].

MSC:

20F36 Braid groups; Artin groups

20F55 Reflection and Coxeter groups (group-theoretic aspects)

57M07 Topological methods in group theory

20F05 Generators, relations, and presentations of groups

20F65 Geometric group theory

Cited in 4 Documents

Keywords:

CAT(0) geometry; infinite type Artin groups; positive monoids; Coxeter systems; Coxeter groups; normal form theorems