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Conjugacy separability of HNN-extensions of abelian groups. (English)

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We consider the conjugacy separability of HNN-extensions of abelian groups with cyclic associated subgroups. We show that if either the associated subgroups intersect trivially or the associated subgroups have a common subgroup of the same index then the HNN-extensions are conjugacy separable. Applying this result we completely characterize the conjugacy separability of HNN-extensions of abelian groups with cyclic associated subgroups.

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