

correction

Absolutely rigid systems and absolutely indecomposable groups
by Eklof, Paul C. and Shelah, Saharon.
Abelian groups and modules (Dublin, 1998), 1999

CORRECTION:

The proofs of Theorems 0.2 and 0.3 are not correct. (The "only if" part assertion in the last 3 lines before "Proof of (II)" on p. 266 is not correct.)

By a different method, Gobel and Shelah ("Absolutely Indecomposable Modules" to appear in Proc. AMS) have proved a result that implies Theorems 0.2 and 0.3 for $|R|$ and λ less than $\kappa(\omega)$. It remains open whether there are arbitrarily large absolutely indecomposable modules.

Theorems 0.1 and 0.4, which give upper bounds to the size of rigid systems/groups, are valid. And the construction in the proof of Theorem 0.3 does yield an affirmative answer to Nadel's question whether there is a proper class of torsion-free abelian groups which are pairwise absolutely non-isomorphic.
