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divisible closure

Canonical name DivisibleClosure
Date of creation 2013-03-22 15:58:36
Last modified on 2013-03-22 15:58:36

Owner polarbear (3475) Last modified by polarbear (3475)

Numerical id 5

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Entry type Definition Classification msc 20K35

Defines divisible closure of a group

Let G be a torsion-free abelian group. We will say that D is the divisible closure of G if D is the only divisible torsion-free group between G and D, or equivalently, if for each $x \in D$ there exists a non-negative integer n such that $nx \in G$.