Prolocalisations of homological categories

Francis Borceux [*]

A prolocalisation of an homological (resp. semi-abelian) category is a regular full reflective subcategory, whose reflection preserves short exact sequences. We study the closure operator and the torsion theory associated with such a situation. We pay special attention to the fibered, the epireflective and the monoreflective cases. We give examples in algebra, topos theory, functional analysis.