

Precategories, abstract radicals, and factorization systems

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We explain that certain analogy between the so-called Kurosh - Amitsur radicals and factorization systems of category theory leads to a mutual generalization that in turn suggests a new definition of a radical. This is joint work with László Márki, partly published as [G. Janelidze and L. Márki, A simplicial approach to factorization systems and Kurosh-Amitsur radicals, *Journal of Pure Applied Algebra* 213, 2009, 2229-2237].