

EXACTNESS CONDITIONS IN CATEGORIES

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ABSTRACT. I'll talk about the joint project with Richard Garner, reported in our recent preprint "Lex colimits".

In it, we study categorical structures which consist of finite limits, some type of colimits, and exactness conditions relating the two. Examples include lextensive categories, regular categories, Barr-exact categories, infinity-toposes, abelian categories, and distributive lattices.