

Ideals in semi-abelian categories

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We discuss the relationship between Magari-Ursini ideals in universal algebra and normal monomorphisms in categorical algebra established in joint work with L. Márki and A. Ursini [2]. Using internal object actions [1] we make further comparisons between categorical concepts related to Bourn protomodularity and various concepts in universal algebra independently invented by A. Ursini and his collaborators.

REFERENCES

- [1] F. Borceux, G. Janelidze, and G. M. Kelly, *Internal object actions*, *Commentationes Mathematicae Universitatis Carolinae* 46, 2 (2005) 235-255.
- [2] G. Janelidze, L. Márki, and A. Ursini, *Ideals and clots in universal algebra and in semi-abelian categories*, *Journal of Algebra* 307, 1 (2007) 191-208.