

# Higher order commutators

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The commutator of congruences has turned out to be a very successful notion in universal algebra. It has been carried over to categories by M. C. Pedicchio and has found its place in category theory. Recently, higher order commutators were introduced in universal algebra and have found several applications there.

In this talk we give a short introduction to higher order commutators in universal algebra, hoping that it may find interest with category theorists.

## REFERENCES

- [1] E. Aichinger and N. Mudrinski, *Some applications of higher commutators in Mal'cev algebras*, Algebra Universalis 63 (2010) 367–403.
- [2] A. Bulatov, *On the number of finite Mal'tsev algebras*, in: Contributions to General Algebra, 13, Heyn, Klagenfurt, 2001, 41–54.
- [3] P. Mayr, *Mal'cev algebras with supernilpotent centralizers*, Algebra Universalis 65 (2011) 193–211.