

AN EFFECTIVE CRITERION FOR NIELSEN–SCHREIER VARIETIES

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The classical Nielsen–Schreier Theorem states that every subgroup of a free group is free. A variety of universal algebras is called Nielsen–Schreier if an analogue of this result holds. It is well known that the variety of Lie algebras is Nielsen–Schreier. I will talk about an attempt to describe the varieties of Nielsen–Schreier algebras using the Grobner bases for operads.

This is joint work with Vladimir Dotsenko (University of Strasburg, France).

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