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Title: Relative Rota–Baxter operators of arbitrary weight on Leibniz algebras and post-Leibniz algebra structures

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Leibniz algebras are a non-skewsymmetric analogue of Lie algebras. In this paper, we consider relative Rota–Baxter operators of arbitrary weight on Leibniz algebras. We define cohomology of such operators and as an application, we study their deformations. Finally, we introduce and study post-Leibniz algebras as the structure behind relative Rota–Baxter operators of arbitrary weight.

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