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δ -derivations of n-ary algebras

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We defined δ -derivations of n-ary algebras. We described δ -derivations of (n+1)-dimensional n-ary Filippov algebras and simple finite-dimensional Filippov algebras over algebraically closed field zero characteristic, and simple ternary Malcev algebra M_8 . We constructed new examples of non-trivial δ -derivations of Filippov algebras and new examples of non-trivial antiderivations of simple Filippov algebras.

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