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Title: Generalized near-derivations and their applications in Lie algebras

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Let L be a Lie algebra. The aim of this paper is to investigate generalized near-derivations of L, which is a generalization of near-derivation initiated by BREŠAR in 2008. As an application we determine all linear maps  $f:L\to L$  with the property that  $[\ldots[[f,\delta_1],\delta_2],\ldots,\delta_n]$  is a derivation whenever  $\delta_1,\delta_2,\ldots,\delta_n$  are derivations of L, where n is a fixed positive integer.

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