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Kristin Renee Bugg* (kbugg@ncsu.edu). *Invariance of the Radical and Nilradical of an Ideal in a Leibniz Algebra.*

In Lie algebra it is known that the radical is invariant under derivations, which is useful in a variety of results. For Leibniz algebras, the corresponding result is not known. We will show a useful substitute as well as some consequences. (Received September 07, 2016)