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Contractions of 3-dimensional representations of the Lie algebra $\mathfrak{sl}(2)$. (English)

Zbl 1254.17026

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The authors write down the \mathbb{Z}_3 -graded contractions of the 3-dimensional irreducible representation of $\mathfrak{sl}(2)$ without identifying or discussing the result.

Reviewer's remark: This material is old, and the calculation trivial. I do not understand how such a paper can slip by a referee. Already the second sentence of the abstract "In this theory, grading of the given Lie algebra is characterized by two sets of parameters satisfying a derived set of equations" should alarm every reader.

Reviewer: [Evelyn Weimar-Woods \(Berlin\)](#)

MSC:

17B70 Graded Lie (super)algebras

Keywords:

[graded contraction](#)

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