ERRATUM TO
"IRREDUCIBLE HIGHEST WEIGHT REPRESENTATIONS OF THE SIMPLE n-LIE ALGEBRA", TRANSFORMATION GROUPS 17 (2012), 593–613

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In [1] the authors studied irreducible highest weight representations of the simple n-Lie algebra. However, as was pointed out to us by X. Garcia-Martinez, R. Turdibaev, T. van der Linden in [2], Proposition 1 and the results of Section 2 do not hold unless we impose the extra assumption the the n-Lie algebra V is such that

$$\widetilde{\mathrm{ad}} : \wedge^{n-1}V \to \wedge^{\bullet}V$$

is skew-symmetric. For the simple n-Lie algebra this condition is automatically satisfied, hence the main results of the paper are correct.

We thank X. Garcia-Martinez, R. Turdibaev, T. van der Linden for pointing out this mistake to us.

References

[1] D. Bălibanu, J. van de Leur, *Irreducible highest weight representations of the simple n-Lie algebra*, Transform. Groups **17** (2012), no. 3, 593–613.

[2] X. Garcia-Martinez, R. Turdibaev, T. van der Linden, *Do n-Lie algebras have universal enveloping algebras*, `arXiv:1508.06940` (2015).