

ABSTRACT. We determine and study all Lie bialgebra central extensions of \mathbf{R}^{2n} by \mathbf{R} admitting the Heisenberg algebra \mathcal{H}_{2n+1} as the underlying Lie algebra structure. The present work answers the question about the realizability of Lie bialgebra structures on \mathcal{H}_{2n+1} as central extensions of \mathbf{R}^{2n} endowed with the adapted Lie bialgebra structure, by \mathbf{R} .