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Generalized Gelfand Pairs Associated to Heisenberg Type Groups

Let $\mathfrak{N} = \mathfrak{Z} \oplus V$ be the Lie algebra corresponding to a group of Heisenberg type N . Assume that V is an irreducible Clifford module. In this article we determine the generalized Gelfand pairs (K, N) , where K is the group of automorphisms of \mathfrak{N} that preserve V .

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