Erratum to
TOTALLY GEODESIC SUBMANIFOLDS
OF SYMMETRIC-LIKE RIEMANNIAN MANIFOLDS

By

J. Berndt, F. Prüfer and L. Vanhecke

It has been pointed out to us by Jorge Lauret (Córdoba/Argentina) that the proof of Corollary 1 in our paper [1] is not correct. In fact, the first sentence in its proof should be: A generalized Heisenberg group is naturally reductive if and only if either $\dim \mathfrak{g} = 1$ or $\dim \mathfrak{g} = 3$ and $\mathfrak{g}$ is an isotropic module. This is correctly stated in [3] and [4], but incorrectly in [2]. We cannot apply this result to derive the examples as in the proof of Corollary 1. It remains an open problem whether a totally geodesic submanifold of a naturally reductive space is also naturally reductive or not.

References


J. Berndt: University of Hull, Department of Mathematics, Hull, HU6 7RX, England
F. Prüfer: Universität Leipzig, Mathematisches Institut, Augustusplatz 10/11, 04109 Leipzig, Germany
L. Vanhecke: Katholieke Universiteit Leuven, Department of Mathematics, Celestijnenlaan 200 B, 3001 Leuven, Belgium