

**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  $\mathfrak{v}$  is an isotypic 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**

- [1] J. Berndt, F. Prüfer and L. Vanhecke, Totally geodesic submanifolds of symmetric-like Riemannian manifolds, *Tsukuba J. Math.* **22** (1998), 463-475.
- [2] J. Berndt, F. Tricerri and L. Vanhecke, Generalized Heisenberg groups and Damek-Ricci harmonic spaces, *Lecture Notes in Mathematics* **1598**, Springer-Verlag, Berlin, Heidelberg, New York, 1995.
- [3] A. Kaplan, On the geometry of groups of Heisenberg type, *Bull. London Math. Soc.* **15** (1983), 35-42.
- [4] F. Tricerri, L. Vanhecke, Homogeneous structures on Riemannian manifolds, *London Mathematical Society Lecture Note Series* 83, Cambridge University Press, Cambridge, 1983.

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