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Erratum

Erratum to: "Reductive G-structures and Lie derivatives" [J. Geom. Phys. 47 (2003) 66–86]☆

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After the publication of the paper, we noticed a number of notational inconsistencies in the last part of Section 6, which could be potentially misleading. For the reader's convenience, we take this opportunity to correct also some minor misprints.

- Page 67, line 7 from below. *Erratum*: "in Section 4". *Corrigendum*: "in Section 5".
- Page 73, line 10 from below. *Erratum*: "$(u,\ f)_\lambda$". *Corrigendum*: "$(u,\ f)$".
- Example 4.11, line 2 from below. *Erratum*: "$a_l^r = (\partial_l(a^{-1}f(x))|_{x=0}^r$". *Corrigendum*: "$a_l^r = (\partial_l(a^{-1}\cdot f(x))|_{x=0})^r$".
- Proposition 5.4, line 1 from below. *Erratum*: "$\Xi_i(u) \in \Sigma^i$". *Corrigendum*: "$\Xi_i(u) \in \Sigma_u^i$".
- Corollary 5.6, line 1 from below. *Erratum*: "Σ^i". *Corrigendum*: "$(i_P^*(\Sigma^i))_u$".
- Example 5.17 in page 78, line 3 from below. *Erratum*: "SO$(q,\ p)$-invariant". *Corrigendum*: "SO$(p,\ q)$-invariant".
- Proof of Lemma 6.14, line 3. *Erratum*: "on the subset P of Q". *Corrigendum*: "on Q".
- Proposition 6.19, line 1 from below. *Erratum*: "*iff* $\pounds_\Xi^G K = 0$.". *Corrigendum*: "*iff* $\pounds_\Xi K = 0$, *whence* $\pounds_\Xi^G K \equiv 0$ *for any* GL$(m, \mathbb{R})$*-invariant vector field* Ξ *on LM*.".
- Page 84, line 4 from below. *Erratum*: "The choice $P = Q = LM$, $G = H =$ GL$(m, \mathbb{R})$ and $\Xi_K = \Xi = L\xi$". *Corrigendum*: "The choice $\Xi = L\xi$".
- Corollary 6.20. Replace the statement of the corollary with the following text: "*Let* Ξ *be a* GL$(m, \mathbb{R})$*-invariant vector field on LM, and let g be a metric tensor on M of signature* (p, q). *Then,* $\pounds_\Xi^{\mathrm{SO}(p,q)} g \equiv 0$.".
- Example 6.21, line 5. *Erratum*: "$\pounds_{\xi_K}^{\mathrm{SO}(p,q)}\psi$". *Corrigendum*: "$\pounds_{L\xi}^{\mathrm{SO}(p,q)}\psi$".
- Example 6.21, lines 6 and 7. *Erratum*: "$Q = P =$ SO(M, g), $H = G =$ SO(M, g), $\tilde{Q} =$ Spin(M, g) and $\tilde{Q}_{\tilde{\lambda}} = S(M)$.". *Corrigendum*: "$P =$ SO(M, g), $G =$ SO(M, g), $\tilde{P} =$ Spin(M, g) and $\tilde{P}_{\tilde{\lambda}} = S(M)$.".

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- Example 6.21, line 7 from below. *Erratum*: "For $\pounds_{\xi_K}^{\mathrm{SO}(p,q)} g$". *Corrigendum*: "For $\pounds_{L\xi}^{\mathrm{SO}(p,q)} g$".
- Example 6.21, line 5 from below. *Erratum*: "$\pounds_{\xi_K}^{\mathrm{SO}(p,q)} g_{\mu\nu}$". *Corrigendum*: "$\pounds_{L\xi}^{\mathrm{SO}(p,q)} g_{\mu\nu}$".
- Example 6.21, line 1 from below. *Erratum*: "$\equiv 2\nabla_{(\mu}\xi_{\nu)} \equiv \pounds_{\xi} g_{\mu\nu} \equiv \pounds_{\Xi} g_{\mu\nu}$.". *Corrigendum*: "$\equiv 2\nabla_{(\mu}\xi_{\nu)} \equiv \pounds_{\xi} g_{\mu\nu}$.".