

Kähler manifolds with quasi-constant holomorphic curvature

Włodzimierz Jelonek

Published online: 27 March 2009
© Springer Science+Business Media B.V. 2009

Erratum to: Ann Glob Anal Geom
DOI: 10.1007/s10455-009-9154-z

The formula (9.4) in the paper is not correct. Therefore, the formula for the curvature in Theorem 9.1 should be

$$\begin{aligned} R(X^* + \alpha H + \beta JH, JX^* + \alpha JH - \beta H, JX^* + \alpha JH - \beta H, X^* + \alpha H + \beta JH) \\ = a^4 R(H, JH, JH, H) - a^2 \beta^2 R(H, JH, H, JH) + \beta^4 R(JH, H, H, JH) \\ - \alpha^2 \beta^2 R(JH, H, JH, H) + \alpha^2 R(H, JX^*, JH, X^*) + \alpha^2 R(H, JX^*, JX^*, H) \\ + \alpha^2 R(X^*, JH, JX^*, H) + \alpha^2 R(X^*, JH, JH, X^*) + \beta^2 R(JH, JX^*, -H, X^*) \\ + \beta^2 R(JH, JX^*, JX^*, JH) + \beta^2 R(X^*, H, H, X^*) + \beta^2 R(X^*, -H, JX^*, JH) \\ + 2\alpha^2 R(H, JH, JX^*, X^*) - 2\beta^2 R(JH, H, JX^*, X^*) + R(X^*, JX^*, JX^*, X^*) \\ = |X_{\mathcal{D}}|^4 R(H, JH, JH, H) + 8|X_{\mathcal{D}}|^2 R(H, JX^*, JX^*, H) + R(X^*, JX^*, JX^*, X^*) \\ = |X_{\mathcal{D}}|^4 R(H, JH, JH, H) + 8|X_{\mathcal{D}}|^2 (1 - |X_{\mathcal{D}}|^2) R(JH, \tilde{X}^*, \tilde{X}^*, JH) \\ + (1 - |X_{\mathcal{D}}|^2)^2 R(\tilde{X}^*, J\tilde{X}^*, J\tilde{X}^*, \tilde{X}^*) \end{aligned}$$

Everything else in the paper remains correct.

The online version of the original article can be found under doi:[10.1007/s10455-009-9154-z](https://doi.org/10.1007/s10455-009-9154-z).

W. Jelonek (✉)
Institute of Mathematics, Cracow University of Technology, Warszawska 24, 31-155 Kraków, Poland
e-mail: wjelon@pk.edu.pl