

ERRATUM TO: ON QUASI-CONFORMALLY FLAT WEAKLY RICCI SYMMETRIC MANIFOLDS*

S. K. JANA and A. A. SHAIKH

Department of Mathematics, University of Burdwan, Golapbag, Burdwan-713 104,
West Bengal, India

e-mail: aask2003@yahoo.co.in, aask@epatra.com

(Received January 2, 2008; accepted January 2, 2008)

In Examples 2, 3, 4 of Section 5 (pp. 210–213) some terms are missing from the non-vanishing components of the covariant derivative of the Ricci tensor S_{ij} . Then also the components of the 1-forms A , B , D appearing in (1.1) of the examples must undergo some changes. These are the following:

In Example 2 the non-vanishing components of $S_{ij,k}$ must be completed by

$$S_{11,3} = \frac{1}{2}e^{x^1} \left[\frac{1 - (n-3)(x^3)^{n-4} + (n-4)(x^3)^{n-3}}{(1-x^3)^2} \right] \neq 0.$$

Moreover

$$A_3(x) = \frac{1 - (n-3)(x^3)^{n-4} + (n-4)(x^3)^{n-3}}{(1-x^3)[1 - (x^3)^{n-3}]}.$$

In Example 3 similarly one should add

$$S_{12,2} = S_{21,2} = \frac{3}{8}, \quad S_{13,3} = S_{31,3} = \frac{3}{8} \sin^2 x^2.$$

Moreover $A_1(x) = -1$, $B_1(x) = D_1(x) = -\frac{1}{2}$, otherwise 0.

* *Acta Math. Hungar.*, **115** (2007), 197–214.

Key words and phrases: Ricci tensor, covariant derivative.

2000 Mathematics Subject Classification: 53B35, 53B05.

Then also the list of the surviving equations of (1.1) is wider than (a) and (b) on p. 212.

In Example 4 one should add

$$S_{12,2} = S_{21,2} = -\frac{1}{4}, \quad S_{13,3} = S_{31,3} = -\frac{1}{4}e^{x^2}.$$

Moreover $A_1(x) = -1$, $B_1(x) = D_1(x) = -\frac{1}{2}$, otherwise 0.

All these changes do not alter the results expressed in Theorems 13, 14, 15.