

## Non-singular expressions for the gravity gradients in the local north-oriented and orbital reference frames

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In the first line of Eq. (54) on page 126 there should be the expression  $a_{n,m} = 0$  while it is wrongly printed  $a_{n,m} = 70$ .

Please find below the corrected Eq. (54):

$$\left. \begin{aligned} a_{n,m} &= 0, \quad |m| = 0, 1 \\ a_{n,m} &= \frac{\sqrt{1+\delta_{|m|,2}}}{4} \sqrt{n^2 - (|m| - 1)^2} \sqrt{n + |m|} \sqrt{n - |m| + 2}, \quad 2 \leq |m| \leq n \\ b_{n,m} &= \frac{(n+|m|+1)(n+|m|+2)}{2(|m|+1)}, \quad |m| = 0, 1 \\ b_{n,m} &= \frac{n^2+m^2+3n+2}{2}, \quad 2 \leq |m| \leq n \\ c_{n,m} &= \frac{\sqrt{1+\delta_{|m|,0}}}{4} \sqrt{n^2 - (|m| + 1)^2} \sqrt{n - |m|} \sqrt{n + |m| + 2}, \quad |m| = 0, 1 \\ c_{n,m} &= \frac{1}{4} \sqrt{n^2 - (|m| + 1)^2} \sqrt{n - |m|} \sqrt{n + |m| + 2}, \quad 2 \leq |m| \leq n \quad n = 2, 3, \dots, N \end{aligned} \right\} \quad (54)$$

The online version of the original article can be found at  
<http://dx.doi.org/10.1007/s00190-006-0031-2>.

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