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Erratum: Connection between Newtonian simulations and general relativity [Phys. Rev. D 83, 123505 (2011)]

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In our original paper, there is an error in Eq. (A8). This correction has no consequence whatsoever in the procedure or conclusions described in the manuscript. The corrected expression for ζ is

$$\zeta = \frac{2}{3} \sqrt{\frac{3}{8\pi G}} \theta^2 \left(\frac{u}{\theta}\right)'$$

and it reduces to the same expression as Eq. (A4).