

Analytic representation of the Dirac equation

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Corrigendum

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Tepper L Gill, W W Zachary and Marcus Alfred 2005 *J. Phys. A: Math. Gen.* **38** 6955–6976

The authors would like to correct equations (81a) and (81b), which should read as follows:

$$\left\{ (1-x^2)\eta_2'' - 2x\eta_2' + \left[\bar{\omega}^2 - \frac{1}{2} - \frac{\tilde{m}^2 + \tilde{m}x + \frac{1}{4}}{(1-x^2)} \right] \eta_2 + \left[2z(\tilde{m} - x)(1-x^2)^{\frac{1}{2}} - z^2(1-x^2)^2 \right] \eta_2 \right\} = 0 \quad (81a)$$

and

$$\left\{ (1-x^2)\eta_1'' - 2x\eta_1' + \left[\bar{\omega}^2 - \frac{1}{2} - \frac{\tilde{m}^2 - \tilde{m}x + \frac{1}{4}}{(1-x^2)} \right] \eta_1 + \left[2z(\tilde{m} + x)(1-x^2)^{\frac{1}{2}} - z^2(1-x^2)^2 \right] \eta_1 \right\} = 0. \quad (81b)$$

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