

CORRIGENDA

October 8, 2004

Padé approximations of solitary wave solutions of the Gross-Pitaevskii equation by N G Berloff (*J. Phys. A: Math. Gen.* 2004 **37** 1617-1632)

The numerical values for p on the lines 5 and 6 of page 1619 were given correctly to three significant digits. The values to ten significant digits should be $p_1 = 0.5831894959, p_2 = -0.07289868698, p_3 = 0.0113019691, p_4 = -0.0017850559$.

Furthermore, Eq.(41) should read

$$\begin{aligned} u(x, s) &= 1 + \frac{a_{00} + a_{10}x^2 + a_{01}s^2 + mc_{20}^{7/4}U(2x^2 - (1 - 2U^2)s^2)(x^2 + (1 - 2U^2)s^2)}{(1 + c_{10}x^2 + c_{01}s^2 + c_{20}(x^2 + (1 - 2U^2)s^2)^2)^{7/4}}, \\ v(x, s) &= x \frac{b_{00} + b_{10}x^2 + b_{01}s^2 - mc_{20}^{7/4}(x^2 + (1 - 2U^2)s^2)^2}{(1 + c_{10}x^2 + c_{01}s^2 + c_{20}(x^2 + (1 - 2U^2)s^2)^2)^{7/4}}. \end{aligned} \tag{1}$$