On the most probable path for diffusive processes

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Corrigenda

On the most probable path for diffusive processes
Langouche F, Roekaerts D and Tirapegui E 1978 *J. Phys. A: Math. Gen.* **11** L 263–8

On p L264 the first line after equation (3) should read: 'The technique of Langouche *et al* (1978c) . . .'

The potential given after equation (6) should read

$$V(\boldsymbol{q}) = \tfrac{1}{2} \sum_{\mu=1}^{N} [A^{\mu}(\boldsymbol{q})^2 - \partial_{\mu} A^{\mu}(\boldsymbol{q})].$$

In the fourth line of p L267, the reference after equation (16) should be Langouche *et al* (1978b).

Equation (20) should end as:

$$\ldots V(\mathrm{y}_{j-1})]. \tag{20}$$

The third line after equation (20) should read:

$$\boldsymbol{x}_{j-1}^{(1/2)}) + \mathrm{O}(\epsilon^{3/2}) = \Delta_j^{\mu} f^{\mu}(t_{j-1}, \boldsymbol{x}_{j-1}^{(1/2)}).$$

In the second line of p L 268 the reference should be to equation (7) rather than (11).

In the references Leiden should be replaced by Leuven.

Exact solutions of Schrödinger's equation for translation-invariant harmonic matter
Hall R L 1978 *J. Phys. A: Math. Gen.* **11** 1235–40

In equations (3) and (7) the inter-centre-of-Mass kinetic energy term is too large by a factor of 2 and should read

$$\frac{1}{2N}\left(\frac{N_2}{m_1} + \frac{N_1}{m_2}\right)\boldsymbol{\pi}^2.$$

Consequently in the formula for the ground-state energy E_0 (i.e. equation (8)) the third term should be divided by $\sqrt{2}$ giving

$$a\hbar k_3 2^{-1/2}\left(\frac{N_2}{m_1} + \frac{N_1}{m_2}\right)^{1/2}.$$

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