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## Erratum

# Erratum: Characterising stochastic motion in heterogeneous media driven by coloured non-Gaussian noise (2021 J. Phys. A: Math. Theor. 54 295002)

Nicholas Mwilu Mutothya<sup>1,2</sup>, Yong Xu<sup>1,\*</sup> , Yongge Li<sup>1</sup> and Ralf Metzler<sup>3,\*</sup> 

<sup>1</sup> School of Mathematics and Statistics, Northwestern Polytechnical University, Xi'an, 710072, People's Republic of China

<sup>2</sup> Department of Mathematics and Informatics, Taita Taveta University, PO Box 635-80300 Voi, Kenya

<sup>3</sup> University of Potsdam, Institute of Physics & Astronomy, 14476 Potsdam, Germany

E-mail: [rmetzler@uni-potsdam.de](mailto:rmetzler@uni-potsdam.de), [liyonge@nwpu.edu.cn](mailto:liyonge@nwpu.edu.cn) and [hsux3@nwpu.edu.cn](mailto:hsux3@nwpu.edu.cn)

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Due to an error during the production process, there is a mistake in two citations on page 3 and in mathematical symbols in four equations on page 11. These are as follows.

In the first paragraph on page 3, the citation for references 72–76 is incorrect. The correct citation is references 72 and 76 as two separate citations; references 73, 74 and 75 should not be cited here. The corrected version of this sentence is as follows:

‘Such ‘Brownian yet non-Gaussian’ diffusion was observed in various systems [62, 78], see also the references in [72, 76].’

In the penultimate paragraph on page 3, the citation for references 101–113 is incorrect. The correct citation is references 101 and 113 as two separate citations; references 102–112 should not be cited here. The corrected version of this sentence is as follows:

‘More recent applications of coloured noise include population dynamics [112] or neuron models [101, 113].’

In four equations on page 11,  $\mu_x$  is incorrectly rendered as  $\mu$ . The correct versions of these equations are:

$$\frac{d\gamma}{dt} = 2\sqrt{2D_0} \left( |\mu_x|^{\frac{\alpha}{2}} \chi + \frac{\alpha}{2} \nu |\mu_x|^{\frac{(\alpha-2)}{2}} \gamma \operatorname{sign}(\mu_x) \right) \quad (37c)$$

\*Authors to whom any correspondence should be addressed.



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$$\chi_s = \frac{\sqrt{2D_0}Dr_q^2|\mu_x|^{\frac{\alpha}{2}}}{\left(1 - \alpha\tau_q\sqrt{\frac{D_0}{2}}v|\mu_x|^{\frac{\alpha-2}{2}}\text{sign}(\mu_x)\right)} \quad (38c)$$

$$\frac{d\mu_x}{dt} = \sqrt{2D_0}v|\mu_x|^{\frac{\alpha-4}{2}} \left[ |\mu_x|^2 + \frac{1}{2} \frac{\alpha}{2} \left( \frac{\alpha-2}{2} \right) \frac{Dr_q^2}{\tau_q} \right] + \frac{\alpha D_0 Dr_q^2}{|\mu_x|^{\frac{\alpha}{2}} \left( |\mu_x|^{\frac{\alpha}{2}} \text{sign}(\mu_x) - \alpha\tau_q\sqrt{\frac{D_0}{2}}v \right)} \quad (39a)$$

$$\frac{d\gamma}{dt} = \frac{4D_0Dr_q^2|\mu_x|^\alpha}{\left(1 - \alpha\tau_q\sqrt{\frac{D_0}{2}}v|\mu_x|^{\frac{\alpha-2}{2}}\text{sign}(\mu_x)\right)} + \alpha\sqrt{2D_0}v|\mu_x|^{\frac{\alpha-2}{2}}\gamma\text{sign}(\mu_x). \quad (39b)$$

We sincerely apologise for any inconvenience caused by these errors, and can confirm that the final results of the paper remain unaffected.