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Corrigendum to “Random walks and diffusion on networks” [Phys. Rep. 716–717 (2017) 1–58] (S0370157317302946) (10.1016/j.physrep.2017.07.007)

Masuda, Naoki; Porter, Mason A.; Lambiotte, Renaud

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Corrigendum

Corrigendum to “Random walks and diffusion on networks” [Phys. Rep. 716–717 (2017) 1–58]



Naoki Masuda^a, Mason A. Porter^{b,c,d}, Renaud Lambiotte^{e,c}

^a Department of Engineering Mathematics, University of Bristol, Bristol, UK

^b Department of Mathematics, University of California Los Angeles, Los Angeles, USA

^c Mathematical Institute, University of Oxford, Oxford, UK

^d CABDyN Complexity Centre, University of Oxford, Oxford, UK

^e Department of Mathematics/Naxys, University of Namur, Namur, Belgium

In Eq. (8), the first factor should be $1/(4\pi Dn)^{1/2}$, rather than $1/(2\pi Dn)^{1/2}$. The correct equation is

$$p(x; n) = \frac{1}{(4\pi Dn)^{1/2}} e^{-\frac{(x-n)^2}{4Dn}}. \quad (1)$$

In Eq. (33), the sum in the denominator of the first fraction should be over the neighbors of node i . In other words, it should be the same as the sum in the second fraction on the right of Eq. (33). The correct equation is

$$T_{ij} = \frac{(s_i s_j)^\alpha}{\sum_{\ell: v_\ell \in \mathcal{N}_i} (s_i s_\ell)^\alpha} = \frac{s_j^\alpha}{\sum_{\ell: v_\ell \in \mathcal{N}_i} s_\ell^\alpha}. \quad (2)$$

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E-mail address: naoki.masuda@bristol.ac.uk (N. Masuda).

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