



<https://doi.org/10.1038/s42005-021-00745-7>

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## Publisher Correction: Node and edge nonlinear eigenvector centrality for hypergraphs

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Correction to: *Communications Physics* <https://doi.org/10.1038/s42005-021-00704-2>, published online 02 September 2021.

A number of notation errors, that in some cases make the scientific meaning of the text or equations misleading, have been mistakenly introduced in this article, in either the PDF, HTML or both, during the preparation of the published version of the manuscript.

On page 3, in the subsection “Hypergraphs”, 4<sup>th</sup> paragraph, the equation  $D_H = \text{Diag}(d_1, \frac{1}{4}, d_n)$  has been changed, in the PDF version of the article, to the correct form  $D_H = \text{Diag}(d_1, \dots, d_n)$ .

On page 3, at the end of the 4<sup>th</sup> paragraph of the subsection “Hypergraphs”, the “1” in equation “ $d_i = \sum_{e:i \in e} w(e) = (BW1)_i$ ” was incorrectly written and has now been replaced by “**1**” (bold font), so the new equation correctly reads  $d_i = \sum_{e:i \in e} w(e) = (BW\mathbf{1})_i$ . This has been corrected in both the PDF and HTML version of the manuscript.

The spurious notation “[k99]” was appearing on page 3, right hand column (in the PDF version), three lines below equation (2). This has now been removed in both the HTML and PDF version of the manuscript.

On page 5, the square root signs in step 3 and 4 of Algorithm 1 were overlapping, and have now been corrected in the PDF version of the manuscript.

On page 8, Methods section, Proof of Theorem 2.1. The exponent “p+1” in equation “ $\lambda^{p+1}x^{p+1} = BWy$ ” was wrongly broken down across two lines, making the mathematical expression meaningless. This has now been corrected in the PDF version of the manuscript. The HTML version remains unchanged as this error did not appear there.

Published online: 12 November 2021



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