Errata in Graph Spectra of Complex Networks

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1 Announcement

We are currently working towards a new edition, which we plan to finish in 2020. New results are incorporated. Some results are being rephrased or more elegantly derived. Finally, errors are being corrected.

All comments and suggestions to improve the first edition 2011 are welcome. Good input will be acknowledged.

2 Errors in the first edition of 2011

With regret, I have to mention the following errors:

p. 23: We remark that the community matrix S refers to the node labels after relabeling according to the partioned adjacency matrix $_\pi A$.

p. 70: art. 72 is only correct for $m < 4$ for a general graph. **Art.** 72 only holds for any integer m when the graph is regular (in which case A and Δ commute).

p. 143: The B matrix at the bottom has a zero column, which should be removed

p. 143: on line -2, $A_{\text{doublestar}}$ should be $A_{m\text{doublestar}}$.

p. 227: footnote 4: in the display, $\det\left(x_k x_x^T - \lambda I\right)$ should be $\det\left(x_k x_k^T - \lambda I\right)$.

p. 241: second last line: "which is symmetric" is wrong.

Acknowledgements

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