Erratum: Scientific collaboration networks. II. Shortest paths, weighted networks, and centrality [Phys. Rev. E 64, 016132 (2001)]

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(Received 26 February 2006; published 23 March 2006)

DOI: 10.1103/PhysRevE.73.039906 PACS number(s): 89.75.Hc, 89.65.−s, 89.70.+c, 01.30.−y, 99.10.Cd

When there is more than one shortest path between a pair of vertices, the algorithm for the calculation of betweenness centrality presented in Section IIB does not always weight all paths equally as claimed. Instead it divides weights equally at each branch point along the path, which in some circumstances can result in slightly different values for the betweenness. Betweenness calculated in this latter fashion is sometimes called "load"; see Goh *et al.* [1] for a discussion. A revised version of our algorithm that does weight all paths equally is given in [2,3].

[1] K.-I. Goh, E. Oh, H. Jeong, B. Kahng, and D. Kim, Proc. Natl. Acad. Sci. U.S.A. **99**, 12583 (2002).

[2] M. E. J. Newman and M. Girvan, Phys. Rev. E **69**, 026113 (2004).

[3] M. E. J. Newman, in *Complex Networks*, edited by E. Ben-Naim, H. Frauenfelder, and Z. Toroczkai (Springer, Berlin, 2004), No. 650 in Lecture Notes in Physics, pp. 337–370.

