



















## REFERENCES

- [1] David Aldous and James Allen Fill. 2002. Reversible Markov Chains and Random Walks on Graphs. (2002). Unfinished monograph, recomplied 2014, available at <https://www.stat.berkeley.edu/users/aldous/RWG/book.html>.
- [2] Chen Avin, Michael Borokhovich, Zvi Lotker, and David Peleg. 2017. Distributed computing on core-periphery networks: Axiom-based design. *J. Parallel Distrib. Comput.* 99 (2017), 51–67. <https://doi.org/10.1016/j.jpdc.2016.08.003>
- [3] Chen Avin, Zvi Lotker, David Peleg, Yvonne Anne Pignolet, and Itzik Turkel. 2014. Core-Periphery in Networks: An Axiomatic Approach. *arXiv:1411.2242 [physics]* (Nov. 2014). <http://arxiv.org/abs/1411.2242> arXiv: 1411.2242.
- [4] Luca Becchetti, Andrea Clementi, Emanuele Natale, Francesco Pasquale, and Riccardo Silvestri. 2015. Plurality Consensus in the Gossip Model. In *Proceedings of the 26th Annual ACM-SIAM Symposium on Discrete Algorithms (SODA '15)*. SIAM, 371–390. <http://dl.acm.org/citation.cfm?id=2722129.2722156>
- [5] Luca Becchetti, Andrea E. F. Clementi, Emanuele Natale, Francesco Pasquale, Riccardo Silvestri, and Luca Trevisan. 2017. Simple dynamics for plurality consensus. *Distributed Computing* 30, 4 (2017), 293–306. <https://doi.org/10.1007/s00446-016-0289-4>
- [6] Luca Becchetti, Andrea E. F. Clementi, Emanuele Natale, Francesco Pasquale, and Luca Trevisan. 2016. Stabilizing Consensus with Many Opinions. In *Proceedings of the Twenty-Seventh Annual ACM-SIAM Symposium on Discrete Algorithms, SODA 2016, Arlington, VA, USA, January 10-12, 2016*. 620–635. <https://doi.org/10.1137/1.9781611974331.ch46>
- [7] Itai Benjamini, Siu-On Chan, Ryan O'Donnell, Omer Tamuz, and Li-Yang Tan. 2016. Convergence, unanimity and disagreement in majority dynamics on unimodular graphs and random graphs. *Stochastic Processes and their Applications* 126, 9 (2016), 2719 – 2733. <https://doi.org/10.1016/j.spa.2016.02.015>
- [8] Petra Berenbrink, Tom Friedetzky, George Giakkoupis, and Peter Kling. 2016. Efficient plurality consensus, or: The benefits of cleaning up from time to time. In *43rd International Colloquium on Automata, Languages and Programming (ICALP 2016)*. Rome, Italy. <https://doi.org/10.4230/LIPIcs.ICALP.2016.136>
- [9] Petra Berenbrink, George Giakkoupis, Anne-Marie Kermerrec, and Frederik Mallmann-Trenn. 2016. Bounds on the Voter Model in Dynamic Networks. In *43rd International Colloquium on Automata, Languages, and Programming (ICALP 2016) (Leibniz International Proceedings in Informatics (LIPIcs))*, Ioannis Chatzigiannakis, Michael Mitzenmacher, Yuval Rabani, and Davide Sangiorgi (Eds.), Vol. 55. Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik, Dagstuhl, Germany, 146:1–146:15. <https://doi.org/10.4230/LIPIcs.ICALP.2016.146>
- [10] Eli Berger. 2001. Dynamic Monopolies of Constant Size. *Journal of Combinatorial Theory, Series B* 83, 2 (2001), 191 – 200. <https://doi.org/10.1006/jctb.2001.2045>
- [11] Stephen P Borgatti and Martin G Everett. 2000. Models of core/periphery structures. *Social Networks* 21, 4 (2000), 375 – 395. [https://doi.org/10.1016/S0378-8733\(99\)00019-2](https://doi.org/10.1016/S0378-8733(99)00019-2)
- [12] Moses Charikar. 2000. *Greedy Approximation Algorithms for Finding Dense Components in a Graph*. Springer Berlin Heidelberg, Berlin, Heidelberg, 84–95. [https://doi.org/10.1007/3-540-44436-X\\_10](https://doi.org/10.1007/3-540-44436-X_10)
- [13] Colin Cooper, Martin E. Dyer, Alan M. Frieze, and Nicolas Rivera. 2016. Discordant Voting Processes on Finite Graphs. In *43rd International Colloquium on Automata, Languages, and Programming, ICALP 2016, July 11-15, 2016, Rome, Italy*. 145:1–145:13. <https://doi.org/10.4230/LIPIcs.ICALP.2016.145>
- [14] Colin Cooper, Robert Elsässer, and Tomasz Radzik. 2014. The Power of Two Choices in Distributed Voting. In *Automata, Languages, and Programming - 41st International Colloquium, ICALP 2014, Copenhagen, Denmark, July 8-11, 2014, Proceedings, Part II*. 435–446. [https://doi.org/10.1007/978-3-662-43951-7\\_37](https://doi.org/10.1007/978-3-662-43951-7_37)
- [15] Colin Cooper, Robert Elsässer, Tomasz Radzik, Nicolas Rivera, and Takeharu Shiraga. 2015. Fast Consensus for Voting on General Expander Graphs. In *Distributed Computing - 29th International Symposium, DISC 2015, Tokyo, Japan, October 7-9, 2015, Proceedings*. 248–262. [https://doi.org/10.1007/978-3-662-48653-5\\_17](https://doi.org/10.1007/978-3-662-48653-5_17)
- [16] Colin Cooper, Tomasz Radzik, and Nicolas Rivera. 2016. The Coalescing-Branching Random Walk on Expanders and the Dual Epidemic Process. In *Proceedings of the 2016 ACM Symposium on Principles of Distributed Computing, PODC 2016, Chicago, IL, USA, July 25-28, 2016*. 461–467. <https://doi.org/10.1145/2933057.2933119>
- [17] Colin Cooper, Tomasz Radzik, Nicolas Rivera, and Takeharu Shiraga. 2017. Fast Plurality Consensus in Regular Expanders. In *31st International Symposium on Distributed Computing, DISC 2017, October 16-20, 2017, Vienna, Austria*. 13:1–13:16. <https://doi.org/10.4230/LIPIcs.DISC.2017.13>
- [18] Colin Cooper and Nicolas Rivera. 2016. The Linear Voting Model. In *43rd International Colloquium on Automata, Languages, and Programming, ICALP 2016, July 11-15, 2016, Rome, Italy*. 144:1–144:12. <https://doi.org/10.4230/LIPIcs.ICALP.2016.144>
- [19] Easley David and Kleinberg Jon. 2010. *Networks, Crowds, and Markets: Reasoning About a Highly Connected World*. Cambridge University Press, New York, USA.
- [20] Morris H. Degroot. 1974. Reaching a Consensus. *J. Amer. Statist. Assoc.* 69, 345 (1974), 118–121. <https://doi.org/10.1080/01621459.1974.10480137>
- [21] Benjamin Doerr, Leslie Ann Goldberg, Lorenz Minder, Thomas Sauerwald, and Christian Scheidele. 2011. Stabilizing Consensus with the Power of Two Choices. In *Proceedings of the Twenty-third Annual ACM Symposium on Parallelism in Algorithms and Architectures (SPAA '11)*. ACM, New York, NY, USA, 149–158. <https://doi.org/10.1145/1989493.1989516>
- [22] Devdatt Dubhashi and Alessandro Panconesi. 2009. *Concentration of Measure for the Analysis of Randomized Algorithms* (1st ed.). Cambridge University Press, New York, NY, USA.
- [23] Mark E. J. Newman. 2002. Spread of Epidemic Disease on Networks. 66 (08 2002), 016128.
- [24] John R. French. 1956-05. A formal theory of social power. 63, 3 (1956-05), 181–194.
- [25] Mohsen Ghaffari and Johannes Lengler. 2017. Tight Analysis for the 3-Majority Consensus Dynamics. *CoRR* abs/1705.05583 (2017). arXiv:1705.05583 <http://arxiv.org/abs/1705.05583>
- [26] Mohsen Ghaffari and Merav Parter. 2016. A Polylogarithmic Gossip Algorithm for Plurality Consensus. In *Proceedings of the 2016 ACM Symposium on Principles of Distributed Computing, PODC 2016, Chicago, IL, USA, July 25-28, 2016*. 117–126. <https://doi.org/10.1145/2933057.2933097>
- [27] Benjamin Golub and Matthew O. Jackson. 2010. Naïve Learning in Social Networks and the Wisdom of Crowds. *American Economic Journal: Microeconomics* 2, 1 (February 2010), 112–49. <https://doi.org/10.1257/mic.2.1.112>
- [28] Frank Harary. 1959. A criterion for unanimity in French's theory of social power. (1959), 168–182.
- [29] Yehuda Hassin and David Peleg. 2001. Distributed Probabilistic Polling and Applications to Proportionate Agreement. *Information and Computation* 171, 2 (2001), 248 – 268. <https://doi.org/10.1006/inco.2001.3088>
- [30] Herbert W. Hethcote. 2000. The Mathematics of Infectious Diseases. *SIAM Rev.* 42, 4 (2000), 599–653. <https://doi.org/10.1137/S0036144500371907> arXiv:<https://doi.org/10.1137/S0036144500371907>
- [31] Shlomo Hoory, Nathan Linial, and Avi Wigderson. 2006. Expander graphs and their applications. *BULL. AMER. MATH. SOC.* 43, 4 (2006), 439–561.
- [32] Matthew O. Jackson. 2010-11-21. *Social and Economic Networks*. Princeton Univers. Press.
- [33] Jérôme Kunegis. 2013. Konect: the koblenz network collection. In *Proceedings of the 22nd International Conference on World Wide Web*. ACM, 1343–1350.
- [34] R. Lambiotte, M. Ausloos, and J. A. Holyst. 2007. Majority model on a network with communities. *Phys. Rev. E* 75 (Mar 2007), 030101. Issue 3. <https://doi.org/10.1103/PhysRevE.75.030101>
- [35] Jure Leskovec and Andrej Krevl. 2014. SNAP Datasets: Stanford Large Network Dataset Collection. <http://snap.stanford.edu/data>. (June 2014).
- [36] Thomas M. Liggett. 2012-12-06. *Interacting Particle Systems*. Springer Science & Business Media. Google-Books-ID: 7JbqBwAAQBAJ.
- [37] Thomas M. Liggett. 2013-03-09. *Stochastic Interacting Systems: Contact, Voter and Exclusion Processes*. Springer Science & Business Media. Google-Books-ID: wRvZCAAQBAJ.
- [38] Elchanan Mossel, Joe Neeman, and Omer Tamuz. 2014. Majority dynamics and aggregation of information in social networks. *Autonomous Agents and Multi-Agent Systems* 28, 3 (01 May 2014), 408–429. <https://doi.org/10.1007/s10458-013-9230-4>
- [39] Elchanan Mossel and Omer Tamuz. 2017. Opinion exchange dynamics. *Probab. Surveys* 14 (2017), 155–204. <https://doi.org/10.1214/14-PS230>
- [40] David Peleg. 1998. Size Bounds for Dynamic Monopolies. *Discrete Applied Mathematics* 86, 2-3 (1998), 263–273. [https://doi.org/10.1016/S0166-218X\(98\)00043-2](https://doi.org/10.1016/S0166-218X(98)00043-2)
- [41] David Peleg. 2002. Local majorities, coalitions and monopolies in graphs: a review. *Theor. Comput. Sci.* 282, 2 (2002), 231–257. [https://doi.org/10.1016/S0304-3975\(01\)00055-X](https://doi.org/10.1016/S0304-3975(01)00055-X)
- [42] M. Puck Rombach, Mason A. Porter, James H. Fowler, and Peter J. Mucha. 2014. Core-Periphery Structure in Networks. *SIAM J. Appl. Math.* 74, 1 (2014), 167–190. <https://doi.org/10.1137/120881683> arXiv:<https://doi.org/10.1137/120881683>
- [43] David Snyder and Edward L. Kick. 1979. Structural Position in the World System and Economic Growth, 1955-1970: A Multiple-Network Analysis of Transnational Interactions. *Amer. J. Sociology* 84, 5 (1979), 1096–1126. <http://www.jstor.org/stable/2778218>
- [44] Xiao Zhang, Travis Martin, and M. E. J. Newman. 2015. Identification of core-periphery structure in networks. *Phys. Rev. E* 91 (Mar 2015), 032803. Issue 3. <https://doi.org/10.1103/PhysRevE.91.032803>
- [45] Shi Zhou and Raúl J Mondragón. 2004. The rich-club phenomenon in the Internet topology. *IEEE Communications Letters* 8, 3 (2004), 180–182.