References appeared in the presentation

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References

[1] Murat Arcak. Passivity as a design tool for group coordination. *IEEE Transactions on Automatic Control*, 52(8):1380–1390, 2007. Publisher: IEEE.

[2] Nikhil Chopra and Mark W. Spong. Passivity-Based Control of Multi-Agent Systems. In *Advances in Robot Control*, pages 107–134. Springer Berlin Heidelberg, Berlin, Heidelberg, 2006.

[3] Florian Dörfler and Francesco Bullo. Synchronization in complex networks of phase oscillators: A survey. *Automatica*, 50(6):1539–1564, 2014. Publisher: Elsevier.

[4] J.A. Fax and R.M. Murray. Information flow and cooperative control of vehicle formations. *IEEE Transactions on Automatic Control*, 49(9):1465–1476, September 2004. Conference Name: IEEE Transactions on Automatic Control.

[5] Miroslav Fiedler. Algebraic connectivity of graphs. *Czechoslovak mathematical journal*, 23(2):298–305, 1973. Publisher: Institute of Mathematics, Academy of Sciences of the Czech Republic.

[6] Mauro Franceschelli, Alessandro Giua, and Alessandro Pisano. Finite-Time Consensus on the Median Value With Robustness Properties. *IEEE Transactions on Automatic Control*, 62(4):1652–1667, April 2017. Conference Name: IEEE Transactions on Automatic Control.

[7] Randy A. Freeman, Peng Yang, and Kevin M. Lynch. Stability and Convergence Properties of Dynamic Average Consensus Estimators. In *Proceedings of the 45th IEEE Conference on Decision and Control*, pages 338–343, February 2006. ISSN: 0191-2216.

[8] Alberto Isidori, Lorenzo Marconi, and Giacomo Casadei. Robust output synchronization of a network of heterogeneous nonlinear agents via nonlinear regulation theory. *IEEE Transactions on Automatic Control*, 59(10):2680–2691, 2014. Publisher: IEEE.

[9] Solmaz S. Kia, Bryan Van Scoy, Jorge Cortes, Randy A. Freeman, Kevin M. Lynch, and Sonia Martinez. Tutorial on Dynamic Average Consensus: The Problem, Its Applications, and the Algorithms. *IEEE Control Systems Magazine*, 39(3):40–72, June 2019. Conference Name: IEEE Control Systems Magazine.

[10] Hongkeun Kim, Hyungbo Shim, and Jin Heon Seo. Output consensus of heterogeneous uncertain linear multi-agent systems. *IEEE Transactions on Automatic Control*, 56(1):200–206, 2010. Publisher: IEEE.

[11] Jaeyong Kim, Jongwook Yang, Hyungbo Shim, Jung-Su Kim, and Jin Heon Seo. Robustness of synchronization of heterogeneous agents by strong coupling and a large number of agents. *IEEE Transactions on Automatic Control*, 61(10):3096–3102, 2015. Publisher: IEEE.

[12] Taekyoo Kim, Hyungbo Shim, and Dongil Dan Cho. Distributed Luenberger observer design. In *2016 IEEE 55th Conference on Decision and Control (CDC)*, pages 6928–6933. IEEE, 2016.

[13] J.G. Lee and H. Shim. Heterogeneous Van der Pol Oscillators under Strong Coupling. In *Proceedings of the IEEE Conference on Decision and Control*, volume 2018-Decem, 2019. ISSN: 07431546.

[14] Jin Gyu Lee, Thomas Berger, Stephan Trenn, and Hyungbo Shim. Edgewise funnel output synchronization of heterogeneous agents with relative degree one. *Automatica*, 156:111204, 2023. Publisher: Pergamon.

[15] Jin Gyu Lee and Hyungbo Shim. A tool for analysis and synthesis of heterogeneous multi-agent systems under rank-deficient coupling. *Automatica*, 117:108952, 2020. Publisher: Pergamon.

[16] Seungjoon Lee and Hyungbo Shim. Blended dynamics approach to distributed optimization: Sum convexity and convergence rate. *Automatica*, 141:110290, 2022. Publisher: Pergamon.

[17] Zhongkui Li, Zhisheng Duan, Guanrong Chen, and Lin Huang. Consensus of multiagent systems and synchronization of complex networks: A unified viewpoint. *IEEE Transactions on Circuits and Systems I: Regular Papers*, 57(1):213–224, 2009. Publisher: IEEE.

[18] L. Moreau. Stability of continuous-time distributed consensus algorithms. In *2004 43rd IEEE Conference on Decision and Control (CDC) (IEEE Cat. No.04CH37601)*, volume 4, pages 3998–4003 Vol.4, February 2004. ISSN: 0191-2216.

[19] R. Olfati-Saber and R.M. Murray. Consensus problems in networks of agents with switching topology and time-delays. *IEEE Transactions on Automatic Control*, 49(9):1520–1533, September 2004. Conference Name: IEEE Transactions on Automatic Control.

[20] Reza Olfati-Saber, J. Alex Fax, and Richard M. Murray. Consensus and Cooperation in Networked Multi-Agent Systems. *Proceedings of the IEEE*, 95(1):215–233, January 2007. Conference Name: Proceedings of the IEEE.

[21] Elena Panteley and Antonio Loría. Synchronization and Dynamic Consensus of Heterogeneous Networked Systems. *IEEE Transactions on Automatic Control*, 62(8):3758–3773, August 2017. Conference Name: IEEE Transactions on Automatic Control.

[22] Anton V. Proskurnikov and Roberto Tempo. A tutorial on modeling and analysis of dynamic social networks. Part I. *Annual Reviews in Control*, 43:65–79, 2017. Publisher: Elsevier.

[23] Wei Ren, Randal W. Beard, and Ella M. Atkins. Information consensus in multivehicle cooperative control. *IEEE Control systems magazine*, 27(2):71–82, 2007. Publisher: IEEE.

[24] Jin Heon Seo, Hyungbo Shim, and Juhoon Back. Consensus of high-order linear systems using dynamic output feedback compensator: Low gain approach. *Automatica*, 45(11):2659–2664, 2009.

[25] Demetri P Spanos, Reza Olfati-Saber, and Richard M Murray. DYNAMIC CONSENSUS FOR MOBILE NETWORKS. In *IFAC World Congress*, 2005.

[26] Steven Strogatz. Sync: The emerging science of spontaneous order. 2004. Publisher: Penguin UK.

[27] S. Emre Tuna. LQR-based coupling gain for synchronization of linear systems, January 2008. arXiv:0801.3390.

[28] Wei Wang and Jean-Jacques E. Slotine. On partial contraction analysis for coupled nonlinear oscillators. *Biological cybernetics*, 92(1):38–53, 2005. Publisher: Springer.

[29] Peter Wieland, Rodolphe Sepulchre, and Frank Allgöwer. An internal model principle is necessary and sufficient for linear output synchronization. *Automatica*, 47(5):1068–1074, 2011. Publisher: Elsevier.