

Références (cours du 2 juin 2021 : « Réseaux d'entreprises, crises et économie hors-équilibre », Jean-Philippe Bouchaud)

Cycles Economiques : Général

- Cochrane, J. H. (1994, December). Shocks. In *Carnegie-Rochester Conference series on public policy* (Vol. 41, pp. 295-364). North-Holland.
- Bernanke, B. S., Gertler, M., & Gilchrist, S. (1999). The financial accelerator in a quantitative business cycle framework. *Handbook of macroeconomics*, 1, 1341-1393.
- Gabaix, X. (2011). The granular origins of aggregate fluctuations. *Econometrica*, 79(3), 733-772.
- Haldane, A. G., & May, R. M. (2011). Systemic risk in banking ecosystems. *Nature*, 469(7330), 351-355.
- Battiston, S., Gatti, D. D., Gallegati, M., Greenwald, B., & Stiglitz, J. E. (2012). Liaisons dangereuses: Increasing connectivity, risk sharing, and systemic risk. *Journal of economic dynamics and control*, 36(8), 1121-1141.
- Bak, P., Chen, K., Scheinkman, J., & Woodford, M. (1993). Aggregate fluctuations from independent sectoral shocks: self-organized criticality in a model of production and inventory dynamics. *Ricerche economiche*, 47(1), 3-30.
- Bouchaud, J. P. (2013). Crises and collective socio-economic phenomena: simple models and challenges. *Journal of Statistical Physics*, 151(3), 567-606.
- Sornette, D.: Endogenous versus exogenous origins of crises. In: Albeverio, S., Jentsch, V., Kantz, H. (eds.) *Extreme Events in Nature and Society*. Springer, Heidelberg (2005)

Cycles Economiques: Modèles

- Long Jr, J. B., & Plosser, C. I. (1983). Real business cycles. *Journal of political Economy*, 91(1), 39-69.
- Acemoglu, D., Carvalho, V. M., Ozdaglar, A., & Tahbaz-Salehi, A. (2012). The network origins of aggregate fluctuations. *Econometrica*, 80(5), 1977-2016.
- Carvalho, V., & Gabaix, X. (2013). The great diversification and its undoing. *American Economic Review*, 103(5), 1697-1727.
- Hawkins, D. (1948). Some conditions of macroeconomic stability. *Econometrica: Journal of the Econometric Society*, 309-322.
- David Hawkins and Herbert A. Simon. Note: Some Conditions of Macroeconomic Stability. *Econometrica*, 17:245-248, 1949.
- Moran, J., & Bouchaud, J. P. (2019). May's instability in large economies. *Physical Review E*, 100(3), 032307.

Stabilité des systèmes complexes

- May, R. M. (1972). Will a large complex system be stable?. *Nature*, 238(5364), 413-414.
- Biroli, G., Bunin, G., & Cammarota, C. (2018). Marginally stable equilibria in critical ecosystems. *New Journal of Physics*, 20(8), 083051.
- Biroli, G., Semerjian, G., & Tarzia, M. (2010). Anderson model on Bethe lattices: density of states, localization properties and isolated eigenvalue. *Progress of Theoretical Physics Supplement*, 184, 187-199.
- Fyodorov, Y. V., & Khoruzhenko, B. A. (2016). Nonlinear analogue of the May–Wigner instability transition. *Proceedings of the National Academy of Sciences*, 113(25), 6827-6832.
- Ben Arous, G., Fyodorov, Y. V., & Khoruzhenko, B. A. (2020). Counting equilibria of large complex systems by instability index. *arXiv e-prints*, arXiv-2008.

Modèles hors-équilibre

- Bonart, J., Bouchaud, J. P., Landier, A., & Thesmar, D. (2014). Instabilities in large economies: aggregate volatility without idiosyncratic shocks. *Journal of Statistical Mechanics: Theory and Experiment*, 2014(10), P10040.
- Dessertaine, T., Morán, J., Benzaquen, M., & Bouchaud, J. P. (2020). Tâtonnement, Approach to Equilibrium and Excess Volatility in Firm Networks. *Available at SSRN 3745898*.