On the convergence to Walrasian prices in random matching Edgeworthian economies

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We show that for a specific class of random matching Edgeworthian economies, the expectation of the limiting equilibrium price coincides with the equilibrium price of the related Walrasian economies. This result extends to the study of economies in the presence of uncertainty within the multi-period Arrow-Debreu model, allowing to understand the dynamics of how beliefs survive and propagate through the market.

References

- [1] Edgeworth FY (1881) *Mathematical psychics*: An essay on the application of mathematics to the moral sciences. Kegan Paul, London
- [2] Gale D (2000) Strategic foundations of perfect competition. *Cambridge University Press*, Cambridge, MA
- [3] A.A. Pinto, M. Ferreira and B.M.P.M. Oliveira, B.F. Finkenstat and A. N. Yannacopoulos (2011) On the convergence to Walrasian prices in random matching Edgeworthian economies. *Central European Journal of Operations Research*