

Title: Kinetic models for wealth distribution: Formation of steady states and relaxation behavior

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Abstract:

We present some recent analytical and numerical results on the formation of Pareto tails and the relaxation behavior in different classes of kinetic models for wealth distribution.

We also discuss an extended model for wealth distribution in a simple market which is built of a number of countries or social groups. Under a suitable scaling we derive a system of Fokker-Planck type equations and discuss its extension to a two-dimensional model with distributed trading propensity. Theoretical and numerical results show that the wealth distribution develops a polymodal shape. Such patterns are also occasionally observed in real wealth distribution curves.