Linear and Quadratic Stochastic Models of Income Distribution

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One considers linear (single independent agents) and quadratic (pairwise encounters) stochastic Markovian processes converging to macroscopic income distribution. Conservative or scale invariant processes can yield finite variance distributions in the quadratic case only. Some classical models are revisited, and new classes of exactly solvable models are presented. Analogy with Boltzman equation in the quadratic case is discussed.