

1131-60-89

Andrey Sarantsev* (sarantsev@pstat.ucsb.edu), South Hall 5607A, University of California, Santa Barbara, CA 93106. *STABLE SYSTEMS OF COMPETING LEVY PARTICLES*.

We consider a finite system of particles on the real line. Each particle moves as a Levy process, with parameters depending on its current rank relative to other particles. We prove that this system is ergodic under natural conditions. Similar models are used for financial modeling. (Received July 05, 2017)