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On structure of the point spectrum in equilibrium states of the dynamical conflict systems

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On structure of the point spectrum
in equilibrium states of the dynamical conflict systems

The structure of the point spectrum in equilibrium time-limiting states of dynamical conflict systems is studied in terms of probability measures. It is shown that the priority strategy in a single direction is a necessary and sufficient condition for emergence of measures with a point spectrum. In this case, the exponential rate of concentration of distributions with a point spectrum and its density in the phase space is established. The possibility of applying information about the structure of the point spectrum in a new mathematical model of opinion formation among individuals of abstract society is proposed. The presented result is developed the constructions published in [1,2]

References
1. V. Koshmanenko, V. Voloshyna, The emergence of point spectrum in models of conflict dynamical systems, Ukr. Math. J. 70, ⊠ 12, 1615-1624 (2018).
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