

Upper frequent hypercyclicity, and related notions

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Bayart and Ruzsa have recently shown that the set of upper frequently hypercyclic vectors is either empty or residual, which is in striking contrast to the behaviour of frequent hypercyclicity. We investigate in greater detail why this is so. Our results have consequences, among other things, for the notion of reiterative hypercyclicity that was recently introduced by Bès, Menet, Peris and Puig.

This is joint work with Antonio Bonilla.