

POLYNOMIAL ASYMPTOTIC BEHAVIOURS FOR DYNAMICAL SYSTEMS IN BANACH SPACES

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The study of different asymptotic behaviours for dynamical systems in Banach spaces such as stability, instability, dichotomy and trichotomy have registered a notable growth in the last years.

The aim of the paper is to deal with different concepts of polynomial stability and polynomial dichotomy for both uniform and nonuniform cases. We also establish connections between notions through examples and by using similar techniques from the exponential case.

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