ON THE ROBUSTNESS OF EXPONENTIAL DICHOTOMIES

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Abstract. For linear evolution families in Banach spaces, we establish the robustness of a weaker notion of exponential dichotomy. This notion allows the contraction and expansion along the stable and unstable subspaces to be nonuniform and requires nothing from the angles between these subspaces.

Key Words and Phrases: Exponential dichotomies, perturbations, robustness, fixed point.

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