

INTRODUCTION TO BIFURCATION THEORY

(This exercises session will be held jointly with the next one on 14th of November!
Hence, no exercise class on 7th of November)

27. (4 points) Show that $\phi(t, X) = e^{At}X$, where A is an $n \times n$ matrix, is a smooth dynamical system on \mathbb{R}^n .

28. (4 points) Show that all polynomials are entire functions.