

On the asymptotic behaviour of some classes of evolution equations

Ciprian Preda

West University of Timisoara, Rumunjska

Abstract

The goal of the lecture is to point out few line of results regarding the asymptotic behaviour of the solutions of both autonomous and non-autonomous differential systems in infinite dimensional vector spaces. Two different approaches will be presented, Datko-Pazy line of theorems and also the Perron-Ta Li admissibility type theorems (or the so-called "test functions" method).