



Universidade Federal de Santa Catarina  
Centro de Ciências Físicas e Matemáticas  
Pós-Graduação em Matemática



Seminars on Differential Equations (2018.2)

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ESTIMATES FOR A NONAUTONOMOUS WAVE EQUATION IN TIME-DEPENDENT SPACES

### Abstract

In this lecture we will present some estimates for the solutions of a nonautonomous wave equation in a time-dependent phase space. These estimates can be used to prove the existence of a pullback attractor for this equation. Also we will present a result on asymptotic behavior of the solutions of such equation.

Thursday - September 6<sup>th</sup>, 2018

14:00 - 15:00

Room 202 - Maths Department

UFSC - Florianópolis

Check out our website: <http://mtm.ufsc.br/~bortolan/seminario/index1.html>