

First Joint Meeting Brazil Italy of Mathematics
Special Session: Variational Methods and PDE in
Imaging

Rio de Janeiro, August 29 - September 02, 2016

Title: Structural stability of uniform attractors: topological and geometrical

Authors: Alexandre Carvalho

Abstract: We present a careful description of the relationship between pull-back and uniform attractors, leading to a detailed description of the uniform attractor and providing the understanding of its dynamical structures. That description is used to show continuity (upper and lower semicontinuity) and structural stability (topological and geometrical) of uniform attractors, at least for a non-autonomous perturbation of a semigroup.