

Asymptotic behavior of a nonlocal evolution equation

Severino Horácio da Silva*

Resumo

In this talk, we study the asymptotic behavior of the nonlocal evolution equations

$$\partial_t u(t, x) = -a(x)u(t, x) + \int_{\mathbb{R}^N} J(x, y)f(u(t, y))dy + h(x, u(t, x)), \quad (t, x) \in \mathbb{R}_+ \times \mathbb{R}^N.$$

We present some results regarding the existence, characterization, and continuity of global attractors.

*e-mail: horacio@mat.ufcg.edu.br