THE GLOBAL ATTRACTORS FOR A CLASS OF NONLINEAR COUPLED KIRCHHOFF-TYPE EQUATIONS

Guoguang Lin, Ming Zhang
Department of mathematics, Yunnan University
Kunming 650091, **CHINA**
gglin@ynu.edu.cn, 332026295@qq.com

ABSTRACT

This paper deals with the initial boundary value problem for a class of Kirchhoff-type coupled equations with strong damping and source terms. By using the Galerkin method, the existence and uniqueness of the solutions are got. And then we obtain the existence of the global attractor.

Keywords: Kirchhoff-type equations; The Global attractor; Galerkin method.