Niu, Lifang; Wei, Qianrui
Existence of global attractors for a kind of Kirchhoff type wave equation with strong damping. (Chinese. English summary) [Zbl 07366842]

Summary: In this paper, a kind of Kirchhoff type wave equation with strong damping is studied by Galerkin method, which arises from the cross-section motion of elastic rod. Through various inequality techniques and operator semigroup theory, it is proved that the solution semigroup $s(t)$ of the equation has a global attractor.

MSC:
35B41 Attractors
35L05 Wave equation

Keywords:
Galerkin methods; Kirchhoff type wave equation; global attractors