Convergence of Non-autonomous Attractors for Subquintic Weakly Damped Wave Equation

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Abstract

We will present results about non-autonomous weakly damped wave equation with subquintic growth condition on the nonlinearity, which are based on Strichars estimations. We will discuss the existence and smoothness of pullback, uniform, and cocycle attractors and the relations between them. We will also see that these non-autonomous attractors converge upper-semicontinuously to the global attractor for the limit autonomous problem if the time-dependent nonlinearity tends to time independent function in an appropriate way.

References

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