A note on damped wave equations with a nonlinear dissipation in non-cylindrical domains

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Abstract

In this paper, we study the large time behavior of a class of wave equation with a nonlinear dissipation in non-cylindrical domains. The result we obtained here relaxes the conditions for the nonlinear term coefficients (in precise, that is $\beta(t)|u|^\rho u$) in (missing citation) and (missing citation) (which require $\beta(t)$ to be a constant or $\beta(t)$ to be decreasing with time t) and has less restriction for the defined regions.

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References