

Wave equation with time dependent propagation speed asymptotically monotone functions

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Abstract:

We consider the estimates for the wave equation with time dependent propagation speed, if the propagation speed is a constant, then the energy conservation $E(t) = E(0)$ holds. However, the energy conservation does not hold in general for variable propagation speeds. The purpose of this talk is to apply the propagation speed behaves asymptotically as a monotone decreasing function. The main goal is to extend the stabilization properties in paper [2].

BIBLIOGRAPHY

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