

# Energy decay and global nonexistence of solutions for a nonlinear hyperbolic equation

Erhan Pişkin, Hazal Yüksekaya

Diyarbakır, Turkey

In this talk, we consider the global existence, energy decay, and global nonexistence of solutions for a nonlinear hyperbolic equation. We studied the energy decay estimates of the energy function by using Nakao's inequality. Later, we proved the global nonexistence of solutions for the hyperbolic equation with positive and negative initial energy ([1, 2, 3]).

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## References

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