

报告题目: Global quantitative stability of wave equations with strong and weak dampings

报告人: 徐润章 (哈尔滨工程大学) 时间: 2025-05-26 星期一 14:00-15:00 地点: 光华东主楼1601

报告摘要:

In this talk, we are concerned with the description of global quantitative stability of wave equations with linear strong damping and linear or nonlinear weak damping. By giving some energy decay estimates, we obtain several conclusions about the continuous dependence of the global solution on the initial data and the coefficients of the strong damping term and linear or nonlinear weak damping term. This work also establishes a new idea to use the dissipative effect to obtain the better continuous dependence conclusions, which also reflect the dissipative properties of the solution.

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