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Title: Stability of a degenerate coupled systems.

Abstract: Abstract. We aim to study the stabilization problem for a one-dimensional system consisting of coupled heat and wave equations, subject to Dirichlet boundary conditions at the outer endpoints. The parabolic component exhibits degeneracy at one endpoint. We consider both weak and strong degeneracy cases and prove, under suitable assumptions, that the energy of classical solutions decays uniformly as time tends to infinity.