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 $y'' + \lambda y''' = c^2(\Delta y + \mu \Delta y'), 0 < \lambda < \mu$, in abounded domain Ω in \mathbb{R}^n with smoothg boundary Γ is studied. Such equations arise in the vibrations of flexible structures processing internal material damping and modeled by the "Standard linear model" of viscoelasticity. Explicit exponential energy decay rate is obtained for the solution of the above problem subject to mixed boundary conditions.

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