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Title: About pointwise dissipative mechanism

Authors: Jaime E. Munoz Rivera, Maria Grazia Naso, Alessia Berti

Abstract: In this lecture we consider the pointwise dissipative mechanism modeled over a Timoshenko beam and to circular beams, called Bresse model. We show that the position where this dissipative mechanism is introduced is important to define the rate of decay of the solution. There exists a large set of points over the domain, where the beam is configured, where this pointwise dissipation is not effective. There exist other points for which the pointwise dissipation is effective and can produce polynomial or exponential stability. Such strategic points depend on the boundary condition that the beam is supported. We show some applications of these problems.