Stability result of Laminated beam with internal distributed delay

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April 28, 2020

Abstract

In this paper, we consider a laminated beams system with frictional damping and an internal distributed delay feedback on the effective rotational angle. With appropriate assumptions on the weight of the delay feedback and wave speeds, we prove that the dissipation through the frictional damping is sufficiently strong to uniformly stabilize the system even in the presence of delay.

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