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Title: Quenching of vibration modes on two interconnected buildings subjected to seismic loads using magneto rheological device

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Research highlights:

- Two cantilever Timoshenko beam are connected via a (MR) damper device
- Suppression of the vibration mode induced by earthquake excitation on the system
- The control law is define and used to guider the voltage in other to quench the vibration
- The starting times for which the shock absorber become efficient is obtained

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