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Enhancement of wave damping within metamaterials having embedded negative stiffness inclusions

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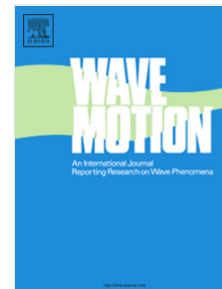
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- Wave dissipation is modelled within continuous and layered periodic structures.
- Analytical approaches as well as periodic structure theory are employed.
- The structural dynamic stability is discussed and ensured.
- An increase of several orders of magnitude for the wave damping ratio is observed.

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