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Study of imperfect bonding effects on sound transmission loss through functionally graded laminated sandwich cylindrical shells

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Highlights

- Effect of imperfect bonding or adhesive layer on TL of sandwich cylinder with FGM-core has been studied.
- The imperfect bonding has been modeled by a linear spring.
- Existence of imperfect bonding leads to the creation of new regions in the pattern of transmission loss.
- At high frequencies the existence of imperfect interface leads to the increasing in TL.

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