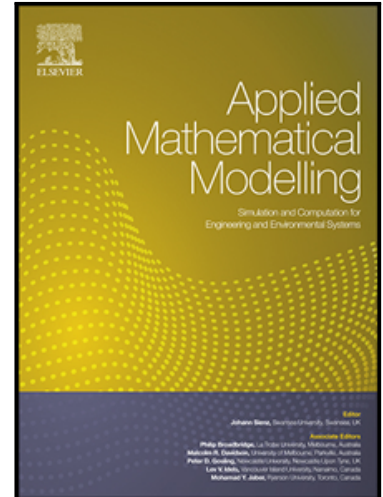


## Accepted Manuscript

A unified three-dimensional method for vibration analysis of the frequency-dependent sandwich shallow shells with general boundary conditions

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**Highlights**

- A 3-D formulation for vibration and damping analysis of sandwich shallow shells is presented.
- Arbitrary boundary conditions including elastic ones are considered.
- Frequency dependent viscoelastic models are discussed for various temperatures and boundary conditions.
- New results for sandwich plate, spherical, cylindrical and hyperbolic paraboloidal shells are calculated.
- 3-D modal shapes are depicted for the sandwich shallow shells.

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