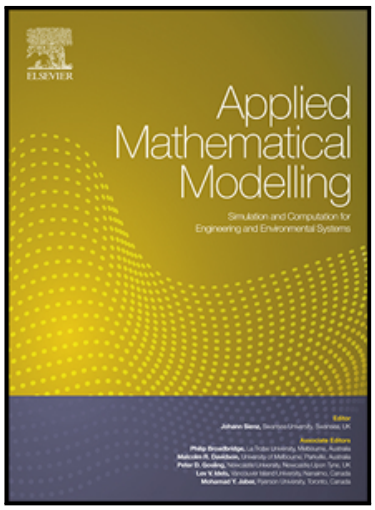

Semi-analytical hybrid approach for the simulation of layered waveguide with a partially debonded piezoelectric structure

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Highlights

- The hybrid approach allows simulating interaction of a debonded piezoelectric structure with an elastic waveguide.
- The approach is a combination of the boundary integral method and the spectral element method.
- The method suggests combining the two methods at the boundary of a debonded piezoelectric structure.
- The method allows calculating complex-valued eigenfrequencies and performing a detailed parametric analysis.