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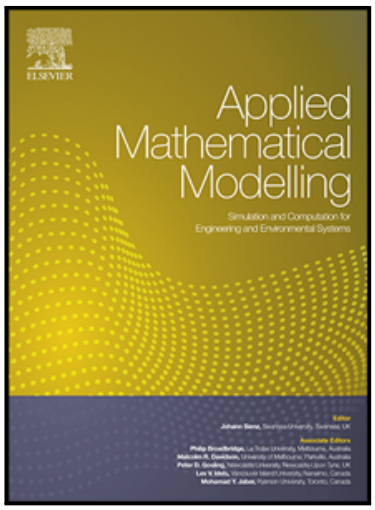

Dynamic Analysis and Wave Propagation in Rotating Heterogeneous Cylinders under Moving Load and Thermal Conditions; Implementing an Efficient Mesh Free Method

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Highlights

- Dynamic analysis of a 2DFGM finite length rotating cylinder subjected to a moving mechanical and thermal load
- Wave propagation problem considering Initial stresses due to temperature distribution and rotational velocity
- Investigation of the effects of temperature on the stresses as well as internal moving pressure or rotational speed.
- Meshless method as a very effective method with high accuracy for propagation and dynamic analysis of 2D-FGMs.

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