# **Accepted Manuscript**

Parametric resonance of a FG cylindrical thin shell with periodic rotating angular speeds in thermal environment

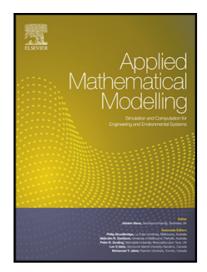
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### ACCEPTED MANUSCRIPT

## **Highlights**

Researching parametric resonance of a FG cylindrical thin shell.

The shell considers both periodic rotating angular speeds and thermal environment.

Studying combined effects of rotation and thermal effects on parametric instability.

Analyzing primary and combination resonances of the shell systematically.

Discussing critical rotating angular speeds of rotating FG cylindrical thin shells.

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