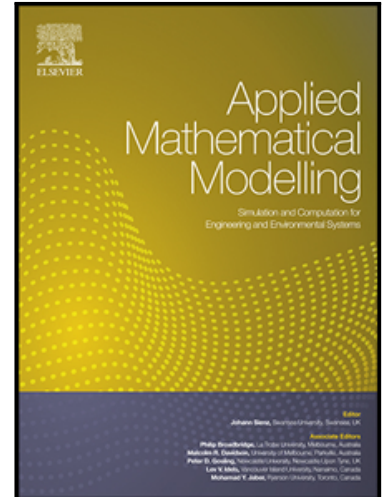


## Accepted Manuscript

A semi-analytical method for transverse vibration of sector-like thin plate with simply supported radial edges

Xianlei Guan , Jinyuan Tang , Dongyan Shi , Cijun shuai ,  
Qingshan Wang

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**Highlights:**

1. The concept of sector-like plate is proposed due to the lack of researches on these kinds of structures.
2. A semi-analytical method is used to analyze the vibration of sector-like plates.
3. The method converges quickly and the results are accurate by comparing the results with the reference results.
4. The method is applicable for the vibration problems of sector-like plates.

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