

Accepted Manuscript

New Exact Series Solutions for Transverse Vibration of
Rotationally-Restrained Orthotropic Plates

Sigong Zhang, Lei Xu, Rui Li

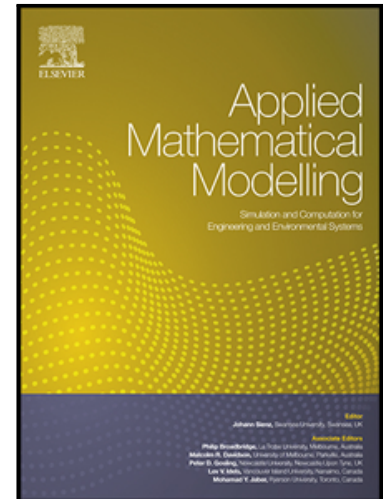
PII: S0307-904X(18)30435-9
DOI: <https://doi.org/10.1016/j.apm.2018.08.033>
Reference: APM 12447

To appear in: *Applied Mathematical Modelling*

Received date: 9 May 2017
Revised date: 23 May 2018
Accepted date: 23 August 2018

Please cite this article as: Sigong Zhang, Lei Xu, Rui Li, New Exact Series Solutions for Transverse Vibration of Rotationally-Restrained Orthotropic Plates, *Applied Mathematical Modelling* (2018), doi: <https://doi.org/10.1016/j.apm.2018.08.033>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- Reviewed various analytical methods applicable for plates with general boundary conditions
- Applied finite integral transform to vibration of rotationally-restrained orthotropic plates
- Proposed a new formulation of finite integral transform
- Discussed numerical issues related to application of finite integral transform method

Download English Version:

<https://daneshyari.com/en/article/10136141>

Download Persian Version:

<https://daneshyari.com/article/10136141>

[Daneshyari.com](https://daneshyari.com)