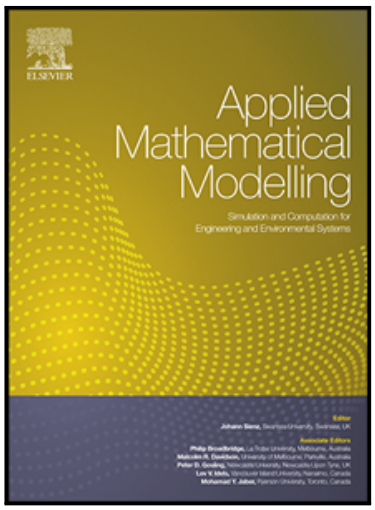
Accepted Manuscript



3D dynamic coupled thermoelastic solution for constant thickness disks using refined 1D finite element models

Ayoob Entezari, Matteo Filippi, Erasmo Carrera,
Mohammad Ali Kouchakzadeh

PII: S0307-904X(18)30131-8
DOI: 10.1016/j.apm.2018.03.015
Reference: APM 12206

To appear in: *Applied Mathematical Modelling*

Received date: 2 November 2017
Revised date: 15 February 2018
Accepted date: 8 March 2018

Please cite this article as: Ayoob Entezari, Matteo Filippi, Erasmo Carrera, Mohammad Ali Kouchakzadeh, 3D dynamic coupled thermoelastic solution for constant thickness disks using refined 1D finite element models, *Applied Mathematical Modelling* (2018), doi: 10.1016/j.apm.2018.03.015

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.

ACCEPTED MANUSCRIPT

Highlights

- Development of reduced FE models with 3D capabilities for coupled thermoelasticity in disks.
- The models are quite efficient with very high rate of convergence.
- Study of the thermoelastic waves propagation and the Poisson effect in an axisymmetric and asymmetric disk.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/8051417

Download Persian Version:

https://daneshyari.com/article/8051417

Daneshyari.com