Accepted Manuscript

An efficient analytical technique for fractional model of vibration equation

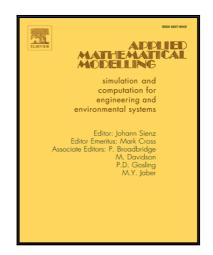
H.M. Srivastava, Devendra Kumar, Jagdev Singh

PII: \$0307-904X(16)30649-7 DOI: 10.1016/j.apm.2016.12.008

Reference: APM 11470

To appear in: Applied Mathematical Modelling

Received date: 16 July 2016
Revised date: 31 October 2016
Accepted date: 7 December 2016



Please cite this article as: H.M. Srivastava, Devendra Kumar, Jagdev Singh, An efficient analytical technique for fractional model of vibration equation, *Applied Mathematical Modelling* (2016), doi: 10.1016/j.apm.2016.12.008

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.

1

Highlights

- We consider a fractional model of vibration equation for large membranes.
- The q-HATM and LDM are applied to obtain the solution of the problem.
- The results derived are shown graphically.
- The results obtained by q-HATM and LDM are in excellent agreement.



Download English Version:

https://daneshyari.com/en/article/5471187

Download Persian Version:

https://daneshyari.com/article/5471187

<u>Daneshyari.com</u>