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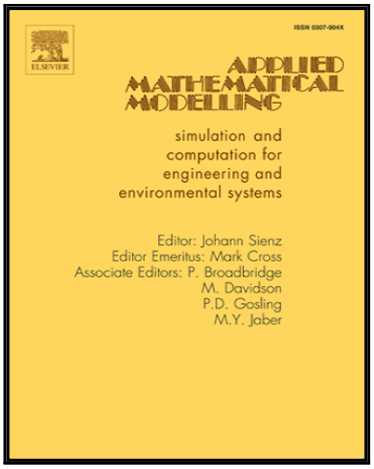

Deflection Analysis of Micro-scale Microstretch Thermoelastic Beam Resonators Under Harmonic Loading

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PII: S0307-904X(17)30074-4
DOI: 10.1016/j.apm.2017.01.068
Reference: APM 11566

To appear in: *Applied Mathematical Modelling*

Received date: 19 April 2016
Revised date: 17 November 2016
Accepted date: 16 January 2017

Please cite this article as: Geeta Partap, Nitika Chugh, Deflection Analysis of Micro-scale Microstretch Thermoelastic Beam Resonators Under Harmonic Loading, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.01.068

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Highlights

- Vibration Analysis due to harmonic load for microstretch thermoelastic beam.
- Analysis under various boundary conditions (CC, SS, CF).
- Laplace transform has been used for governing equations w.r.t. time & space variable.
- Magnitude of Deflection decreases as time increases in case of both CC and SS beam.
- CC beam has more deflection as compare to SS and CF beam.

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