

Accepted Manuscript

On wave propagation in a random conducting Magneto-non-simple thermo-viscoelastic medium

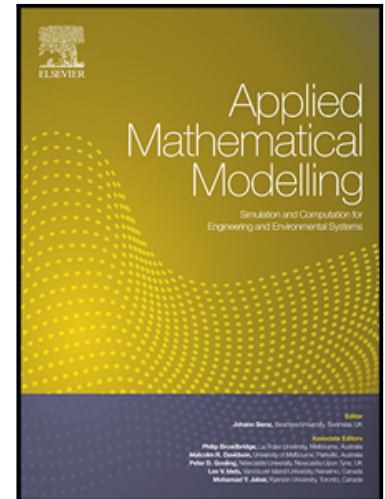
M. Choudhury , U. Basu , R.K. Bhattacharyya

PII: S0307-904X(18)30279-8
DOI: [10.1016/j.apm.2018.06.026](https://doi.org/10.1016/j.apm.2018.06.026)
Reference: APM 12325

To appear in: *Applied Mathematical Modelling*

Received date: 19 August 2016
Revised date: 1 June 2018
Accepted date: 12 June 2018

Please cite this article as: M. Choudhury , U. Basu , R.K. Bhattacharyya , On wave propagation in a random conducting Magneto-non-simple thermo-viscoelastic medium , *Applied Mathematical Modelling* (2018), doi: [10.1016/j.apm.2018.06.026](https://doi.org/10.1016/j.apm.2018.06.026)



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

- The waves in a random magneto-non-simple thermo-visco-elastic medium is studied.
- The couple dispersion equation for longitudinal and transverse waves is analyzed.
- The effect of thermal field to attenuate longitudinal waves is discussed.
- Effect of magnetic conductivity is studied both theoretically and numerically.
- Effect of visco-elasticity is discussed both analytically and numerically.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8050853>

Download Persian Version:

<https://daneshyari.com/article/8050853>

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