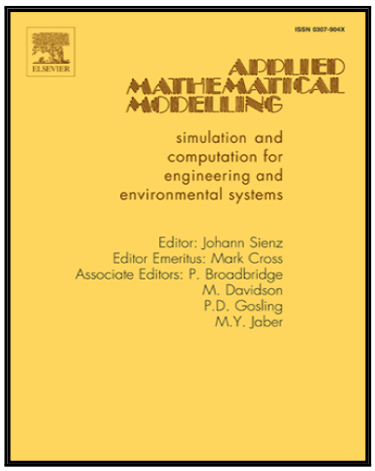
Accepted Manuscript



Displacement Potentials for Functionally Graded Piezoelectric Solids

P. Samea, M. Eskandari, S.F. Ahmadi

PII: S0307-904X(17)30507-3
DOI: 10.1016/j.apm.2017.07.059
Reference: APM 11909

To appear in: *Applied Mathematical Modelling*

Received date: 16 November 2016
Revised date: 26 June 2017
Accepted date: 31 July 2017

Please cite this article as: P. Samea, M. Eskandari, S.F. Ahmadi, Displacement Potentials for Functionally Graded Piezoelectric Solids, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.07.059

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

- Solutions of functionally graded transversely isotropic piezoelectric media studied
- Displacement potential functions for the media are introduced
- The system of governing differential equations has been reduced and decoupled
- Limiting cases of the problem are discussed in detail

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5470739

Download Persian Version:

https://daneshyari.com/article/5470739

Daneshyari.com