

Accepted Manuscript

Thermoacoustic response of a simply supported isotropic rectangular plate in graded thermal environments

F.X. Xin , J.Q Gong , S.W. Ren , L.X. Huang , T.J. Lu

PII: S0307-904X(17)30099-9
DOI: [10.1016/j.apm.2017.02.003](https://doi.org/10.1016/j.apm.2017.02.003)
Reference: APM 11591



To appear in: *Applied Mathematical Modelling*

Received date: 3 July 2015
Revised date: 9 September 2016
Accepted date: 6 February 2017

Please cite this article as: F.X. Xin , J.Q Gong , S.W. Ren , L.X. Huang , T.J. Lu , Thermoacoustic response of a simply supported isotropic rectangular plate in graded thermal environments, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.02.003](https://doi.org/10.1016/j.apm.2017.02.003)

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

- A theoretical model is developed for the thermoacoustic response of plates
- The thermal moments, membrane forces and acoustic loads are considered
- The vibroacoustic performance of plates in graded thermal environments is revealed

Download English Version:

<https://daneshyari.com/en/article/5471153>

Download Persian Version:

<https://daneshyari.com/article/5471153>

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