Accepted Manuscript

Computational Modeling of the Effective Properties of Spatially Graded Composites

Phillip E. Deierling, Olesya I. Zhupanska

 PII:
 S0020-7403(17)31209-2

 DOI:
 10.1016/j.ijmecsci.2018.06.029

 Reference:
 MS 4398

To appear in: International Journal of Mechanical Sciences

Received date:	12 May 2017
Revised date:	14 June 2018
Accepted date:	18 June 2018

Please cite this article as: Phillip E. Deierling, Olesya I. Zhupanska, Computational Modeling of the Effective Properties of Spatially Graded Composites, *International Journal of Mechanical Sciences* (2018), doi: 10.1016/j.ijmecsci.2018.06.029

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

1 Highlights

- Effective properties of spatially graded particulate composites are studied
- High-resolution continuously graded representative volume elements are developed
- Numerical homogenization and FEA are used to estimate the effective properties

Download English Version:

https://daneshyari.com/en/article/7173571

Download Persian Version:

https://daneshyari.com/article/7173571

Daneshyari.com