Accepted Manuscript

Scaling Laws for Displacement of Elastic Beam by Energy Method

Jirapong Kasivitamnuay, Pairod Singhatanadgid

PII: \$0020-7403(17)30044-9

DOI: 10.1016/j.ijmecsci.2017.05.001

Reference: MS 3676

To appear in: International Journal of Mechanical Sciences

Received date: 7 January 2017 Revised date: 20 April 2017 Accepted date: 1 May 2017



Please cite this article as: Jirapong Kasivitamnuay, Pairod Singhatanadgid, Scaling Laws for Displacement of Elastic Beam by Energy Method, *International Journal of Mechanical Sciences* (2017), doi: 10.1016/j.ijmecsci.2017.05.001

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

- The energy method is applied to the problem of structural similarity.
- New sets of complete similarity conditions and scaling law for static displacement of an elastic beam under simultaneous application of various load types are established.



Download English Version:

https://daneshyari.com/en/article/5016164

Download Persian Version:

https://daneshyari.com/article/5016164

Daneshyari.com