

Accepted Manuscript

Flexibility Modeling of a Beam Undergoing Large Deflection Using the Assumed Mode Method

Sinwoo Jeong , Hong Hee Yoo

PII: S0020-7403(17)31327-9
DOI: [10.1016/j.ijmecsci.2017.08.059](https://doi.org/10.1016/j.ijmecsci.2017.08.059)
Reference: MS 3912



To appear in: *International Journal of Mechanical Sciences*

Received date: 19 May 2017
Revised date: 25 August 2017
Accepted date: 30 August 2017

Please cite this article as: Sinwoo Jeong , Hong Hee Yoo , Flexibility Modeling of a Beam Undergoing Large Deflection Using the Assumed Mode Method, *International Journal of Mechanical Sciences* (2017), doi: [10.1016/j.ijmecsci.2017.08.059](https://doi.org/10.1016/j.ijmecsci.2017.08.059)

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.

Highlights

- A nonlinear modeling method for a beam undergoing large deflection is proposed.
- The assumed mode method is employed for the nonlinear modeling method.
- Various numerical examples for beams undergoing large deflection are solved.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5016041>

Download Persian Version:

<https://daneshyari.com/article/5016041>

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