

Accepted Manuscript

Coupled torsion-bending dynamic analysis of gear-rotor-bearing system with eccentricity fluctuation

Ling Xiang , Nan Gao

PII: S0307-904X(17)30418-3
DOI: [10.1016/j.apm.2017.06.026](https://doi.org/10.1016/j.apm.2017.06.026)
Reference: APM 11830



To appear in: *Applied Mathematical Modelling*

Received date: 8 October 2016
Revised date: 15 May 2017
Accepted date: 14 June 2017

Please cite this article as: Ling Xiang , Nan Gao , Coupled torsion-bending dynamic analysis of gear-rotor-bearing system with eccentricity fluctuation, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.06.026](https://doi.org/10.1016/j.apm.2017.06.026)

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 new nonlinear dynamic model of a gear-rotor-bearing system is established.
- The model describes torsional and bending vibration properties of the system.
- The simulation focuses on the nonlinear responses of the system.
- The eccentricity has greater effects on vibration responses.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5470704>

Download Persian Version:

<https://daneshyari.com/article/5470704>

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