## Accepted Manuscript

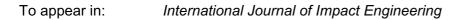
Nonlinearity of interfaces and force transmission of bolted flange joints under impact loading

Yacong Guo , Yanpeng Wei , Zhe Yang , Chenguang Huang , Xianqian Wu , Qiuyun Yin

 PII:
 S0734-743X(17)30015-5

 DOI:
 10.1016/j.ijimpeng.2017.06.012

 Reference:
 IE 2947



Received date:6 January 2017Revised date:1 April 2017Accepted date:29 June 2017

Please cite this article as: Yacong Guo, Yanpeng Wei, Zhe Yang, Chenguang Huang, Xianqian Wu, Qiuyun Yin, Nonlinearity of interfaces and force transmission of bolted flange joints under impact loading, *International Journal of Impact Engineering* (2017), doi: 10.1016/j.ijimpeng.2017.06.012

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

- Impact loading can excite structural vibration and shock response of joints.
- The frequency of response was decreased from that of excitation.
- Higher frequencies of excitation were found to induce a larger damping rate.
- The joints resonated when the frequency of excitation was structural frequency.

AAUST

Download English Version:

## https://daneshyari.com/en/article/5015434

Download Persian Version:

https://daneshyari.com/article/5015434

Daneshyari.com