

Accepted Manuscript

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

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PII: S0734-743X(17)30015-5
DOI: [10.1016/j.ijimpeng.2017.06.012](https://doi.org/10.1016/j.ijimpeng.2017.06.012)
Reference: IE 2947



To appear in: *International Journal of Impact Engineering*

Received date: 6 January 2017
Revised date: 1 April 2017
Accepted 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](https://doi.org/10.1016/j.ijimpeng.2017.06.012)

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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.

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