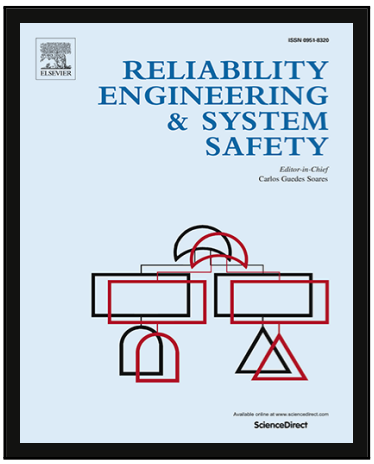

An effective approach for kinematic reliability analysis of steering mechanisms

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PII: S0951-8320(17)31260-7
DOI: 10.1016/j.ress.2018.07.009
Reference: RESS 6208

To appear in: *Reliability Engineering and System Safety*

Received date: 27 October 2017
Revised date: 31 May 2018
Accepted date: 6 July 2018

Please cite this article as: Lei Wang, Xufang Zhang, Yangjunjian Zhou, An effective approach for kinematic reliability analysis of steering mechanisms, *Reliability Engineering and System Safety* (2018), doi: 10.1016/j.ress.2018.07.009

Highlights

- The paper presents an effective Kriging model for kinematic reliability analysis
- It standardizes various kinematic reliability problems via the extreme-value theory
- The kinematic reliability method requires only one round of experimental analyses
- Case studies have shown the proposed methodology has engineering applications