

Accepted Manuscript

A new updating method for the damped mass-spring systems

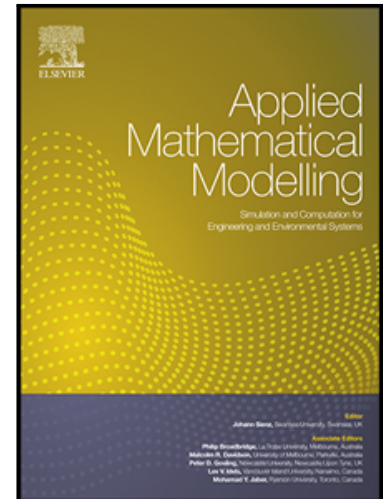
Kang Zhao, Lizhi Cheng, Shengguo Li, Anping Liao

PII: S0307-904X(18)30234-8
DOI: [10.1016/j.apm.2018.05.024](https://doi.org/10.1016/j.apm.2018.05.024)
Reference: APM 12288

To appear in: *Applied Mathematical Modelling*

Received date: 8 September 2017
Revised date: 13 May 2018
Accepted date: 21 May 2018

Please cite this article as: Kang Zhao, Lizhi Cheng, Shengguo Li, Anping Liao, A new updating method for the damped mass-spring systems, *Applied Mathematical Modelling* (2018), doi: [10.1016/j.apm.2018.05.024](https://doi.org/10.1016/j.apm.2018.05.024)



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

- We consider the inverse eigenvalue problem of damping mass-spring system.
- A new direct updating method for mass-spring system is provided.
- The updated model preserves the positive semi-definiteness and sparsity simultaneously.
- The physical parameters of the updated stiffness preserve nonnegative.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8050984>

Download Persian Version:

<https://daneshyari.com/article/8050984>

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