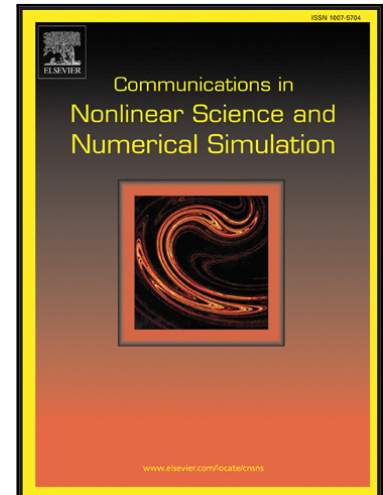


Accepted Manuscript

Theoretical analysis of multi-stable energy harvesters with high-order stiffness terms

Dongmei Huang , Shengxi Zhou , Grzegorz Litak

PII: S1007-5704(18)30312-5
DOI: <https://doi.org/10.1016/j.cnsns.2018.09.025>
Reference: CNSNS 4652



To appear in: *Communications in Nonlinear Science and Numerical Simulation*

Received date: 8 June 2018
Revised date: 23 September 2018
Accepted date: 26 September 2018

Please cite this article as: Dongmei Huang , Shengxi Zhou , Grzegorz Litak , Theoretical analysis of multi-stable energy harvesters with high-order stiffness terms, *Communications in Nonlinear Science and Numerical Simulation* (2018), doi: <https://doi.org/10.1016/j.cnsns.2018.09.025>

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

- Multi-stable energy harvesters with high-order stiffness terms are theoretically analyzed.
- Stability analysis is provided to determine stability of theoretical solutions.
- Response characteristics for different excitations are explored.
- Selection of high-order coefficients is discussed for energy harvesting enhancement.

Download English Version:

<https://daneshyari.com/en/article/11023558>

Download Persian Version:

<https://daneshyari.com/article/11023558>

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