

Accepted Manuscript

The kernel-based nonlinear multivariate grey model

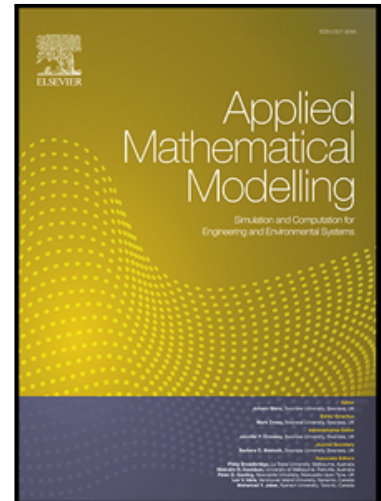
Xin Ma, Zhi-bin Liu

PII: S0307-904X(17)30740-0
DOI: [10.1016/j.apm.2017.12.010](https://doi.org/10.1016/j.apm.2017.12.010)
Reference: APM 12091

To appear in: *Applied Mathematical Modelling*

Received date: 3 July 2017
Revised date: 28 November 2017
Accepted date: 4 December 2017

Please cite this article as: Xin Ma, Zhi-bin Liu, The kernel-based nonlinear multivariate grey model, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.12.010](https://doi.org/10.1016/j.apm.2017.12.010)



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

- The kernel-based nonlinear multivariate grey model KGM(1, n) model is introduced
- The KGM(1, n) can be efficient with small samples in a wide variety of case studies
- The KGM(1, n) is more efficient to deal with nonlinear relationship
- The kernel method is proved to be efficient to build nonlinear grey model
- The KGM(1, n) is more stable than the linear grey models and LSSVM

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8051851>

Download Persian Version:

<https://daneshyari.com/article/8051851>

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