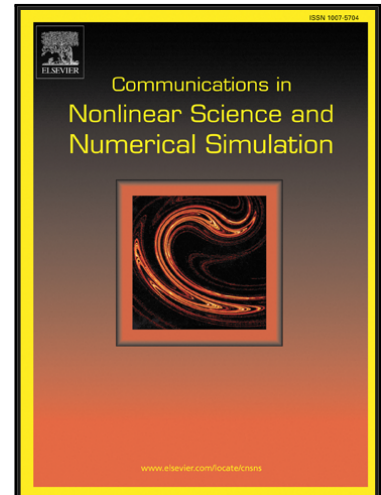


## Accepted Manuscript

A recurrence-weighted prediction algorithm for musical analysis

Renato Colucci, Juan Sebastián Leguizamon Cucunuba,  
Simon Lloyd

PII: S1007-5704(17)30304-0  
DOI: [10.1016/j.cnsns.2017.08.017](https://doi.org/10.1016/j.cnsns.2017.08.017)  
Reference: CNSNS 4302



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

Received date: 25 May 2017  
Revised date: 15 August 2017  
Accepted date: 16 August 2017

Please cite this article as: Renato Colucci, Juan Sebastián Leguizamon Cucunuba, Simon Lloyd, A recurrence-weighted prediction algorithm for musical analysis, *Communications in Nonlinear Science and Numerical Simulation* (2017), doi: [10.1016/j.cnsns.2017.08.017](https://doi.org/10.1016/j.cnsns.2017.08.017)

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**

- A prediction algorithm is proposed for use in mathematical musical analysis.
- The method of Lorenz analogues is adapted to favour data points with low recurrence times.
- The algorithm is tested on the Prelude of Bachs Suite No. 2.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5011336>

Download Persian Version:

<https://daneshyari.com/article/5011336>

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