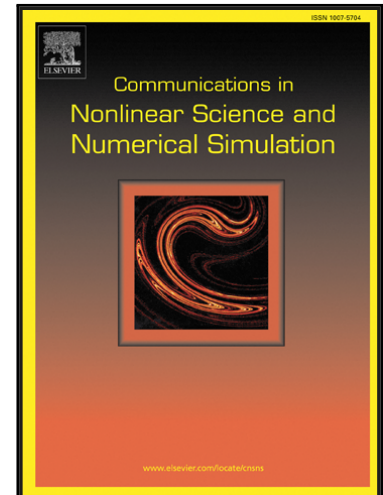


## Accepted Manuscript

Reconstruction of coupling architecture of neural field networks from vector time series

Ilya V. Sysoev, Vladimir I. Ponomarenko, Arkady Pikovsky

PII: S1007-5704(17)30360-X  
DOI: [10.1016/j.cnsns.2017.10.006](https://doi.org/10.1016/j.cnsns.2017.10.006)  
Reference: CNSNS 4344



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

Received date: 11 July 2017  
Revised date: 5 October 2017  
Accepted date: 11 October 2017

Please cite this article as: Ilya V. Sysoev, Vladimir I. Ponomarenko, Arkady Pikovsky, Reconstruction of coupling architecture of neural field networks from vector time series, *Communications in Nonlinear Science and Numerical Simulation* (2017), doi: [10.1016/j.cnsns.2017.10.006](https://doi.org/10.1016/j.cnsns.2017.10.006)

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 new approach to reconstruct couplings in ensembles of oscillators from time series
- Delayed couplings and coupling delay times can be reconstructed
- The approach efficiency is demonstrated numerically for different ensemble size

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7154931>

Download Persian Version:

<https://daneshyari.com/article/7154931>

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