

## Accepted Manuscript

An efficient symmetric image encryption algorithm based on an intertwining logistic map

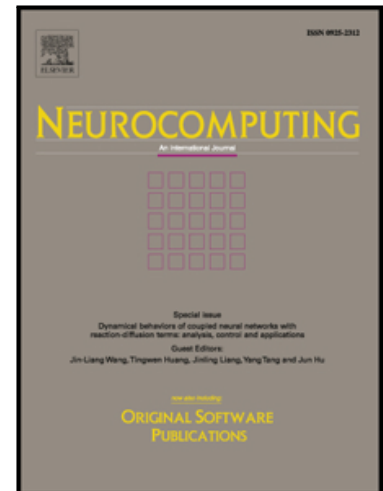
Guodong Ye, Xiaoling Huang

PII: S0925-2312(17)30686-0  
DOI: [10.1016/j.neucom.2017.04.016](https://doi.org/10.1016/j.neucom.2017.04.016)  
Reference: NEUCOM 18349

To appear in: *Neurocomputing*

Received date: 30 August 2016  
Revised date: 23 January 2017  
Accepted date: 2 April 2017

Please cite this article as: Guodong Ye, Xiaoling Huang, An efficient symmetric image encryption algorithm based on an intertwining logistic map, *Neurocomputing* (2017), doi: [10.1016/j.neucom.2017.04.016](https://doi.org/10.1016/j.neucom.2017.04.016)



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 structure of pre-modular, permutation, and diffusion (PPD) cipher for image encryption is proposed.
- Solve the low sensitivity of the plain-image when meeting invariance of pixel summation.
- Self-adaptive encryption scheme is implemented, and no extra transmission is needed.
- The keystreams used for encryption are designed dependent on the plain-image.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4947373>

Download Persian Version:

<https://daneshyari.com/article/4947373>

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