

## Accepted Manuscript

Title: Random weight network-based fuzzy nonlinear regression for trapezoidal fuzzy number data

Author: Yu-Lin He Cheng-Hao Wei Hao Long Rana Aamir Raza Ashfaq Joshua Zhexue Huang



PII: S1568-4946(17)30488-X  
DOI: <http://dx.doi.org/doi:10.1016/j.asoc.2017.08.006>  
Reference: ASOC 4396

To appear in: *Applied Soft Computing*

Received date: 4-9-2016  
Revised date: 1-8-2017  
Accepted date: 2-8-2017

Please cite this article as: Yu-Lin He, Cheng-Hao Wei, Hao Long, Rana Aamir Raza Ashfaq, Joshua Zhexue Huang, Random weight network-based fuzzy nonlinear regression for trapezoidal fuzzy number data, *Applied Soft Computing Journal* (2017), <http://dx.doi.org/10.1016/j.asoc.2017.08.006>

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:**

- ♦ Using random weight network to design a fuzzy nonlinear regression model for handling fuzzy-in fuzzy-out data
- ♦ Deriving the new updating rule for trapezoidal fuzzy number based random weight network
- ♦ Proposing a new fuzzification method to fuzzify the crisp data into trapezoidal fuzzy number data

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/11002712>

Download Persian Version:

<https://daneshyari.com/article/11002712>

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