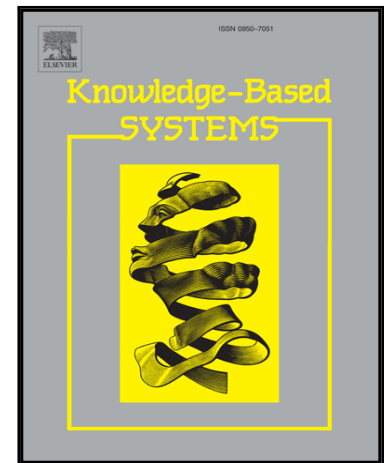


Accepted Manuscript

Learning fuzzy semantic cell by principles of maximum coverage,
maximum specificity, and maximum fuzzy entropy of vague concept

Yongchuan Tang, Yunsong Xiao

PII: S0950-7051(17)30225-3
DOI: [10.1016/j.knosys.2017.05.014](https://doi.org/10.1016/j.knosys.2017.05.014)
Reference: KNOSYS 3912



To appear in: *Knowledge-Based Systems*

Received date: 4 November 2016
Revised date: 11 April 2017
Accepted date: 18 May 2017

Please cite this article as: Yongchuan Tang, Yunsong Xiao, Learning fuzzy semantic cell by principles of maximum coverage, maximum specificity, and maximum fuzzy entropy of vague concept, *Knowledge-Based Systems* (2017), doi: [10.1016/j.knosys.2017.05.014](https://doi.org/10.1016/j.knosys.2017.05.014)

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

- Three numeric characteristics of the fuzzy semantic cell are proposed.
- A three-principle method for learning the fuzzy semantic cell is proposed.
- A granularity control factor is introduced into the learning method.
- The introduction of fuzzy entropy makes the fuzzy semantic cell model robust.

Download English Version:

<https://daneshyari.com/en/article/4946105>

Download Persian Version:

<https://daneshyari.com/article/4946105>

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