

## Accepted Manuscript

Error-Tolerant Graph Matching using Node Contraction

Shri Prakash Dwivedi, Ravi Shankar Singh

PII: S0167-8655(18)30598-1  
DOI: <https://doi.org/10.1016/j.patrec.2018.09.014>  
Reference: PATREC 7313



To appear in: *Pattern Recognition Letters*

Received date: 20 January 2018  
Revised date: 30 August 2018  
Accepted date: 10 September 2018

Please cite this article as: Shri Prakash Dwivedi, Ravi Shankar Singh, Error-Tolerant Graph Matching using Node Contraction, *Pattern Recognition Letters* (2018), doi: <https://doi.org/10.1016/j.patrec.2018.09.014>

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**

- A new approach to inexact graph matching using contraction of nodes in the graph
- Reducing the graph size by eliminating the nodes based on their degree measure
- Extension to graph edit distance based on node contraction
- Applied the proposed algorithm on letter and AIDS dataset
- Can act as a trade-off between time and accuracy considerations

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/10362183>

Download Persian Version:

<https://daneshyari.com/article/10362183>

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