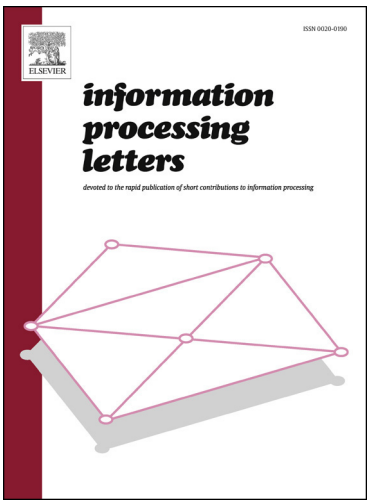
Accepted Manuscript



Shape diameter for object analysis

Anastazia Žunić

PII: S0020-0190(18)30067-X
DOI: https://doi.org/10.1016/j.ipl.2018.03.012
Reference: IPL 5666

To appear in: *Information Processing Letters*

Received date: 22 November 2016
Accepted date: 17 March 2018

Please cite this article in press as: A. Žunić, Shape diameter for object analysis, *Inf. Process. Lett.* (2018), https://doi.org/10.1016/j.ipl.2018.03.012

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

- The circle has the minimal diameter among all the shapes with the same area.
- The result above is used to define a new elongation measure for planar shapes.
- New measure is invariant w.r.t. translation, rotation, and scaling transformations.
- A perimeter normalized elongation measure is observed as well.

Download English Version:

https://daneshyari.com/en/article/6874166

Download Persian Version:

https://daneshyari.com/article/6874166

Daneshyari.com