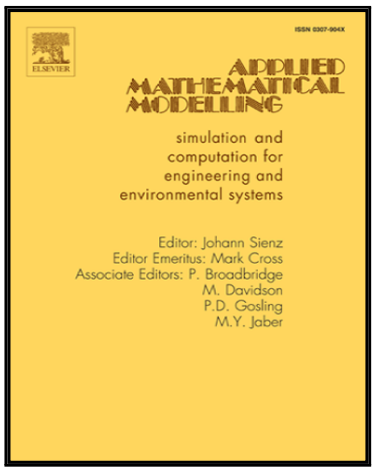
Accepted Manuscript



A new multi-threshold image segmentation approach using state transition algorithm

Han Jie, Yang Chunhua, Zhou Xiaojun, Gui Weihua

PII: S0307-904X(17)30111-7
DOI: 10.1016/j.apm.2017.02.015
Reference: APM 11603

To appear in: *Applied Mathematical Modelling*

Received date: 21 July 2015
Revised date: 24 January 2017
Accepted date: 9 February 2017

Please cite this article as: Han Jie, Yang Chunhua, Zhou Xiaojun, Gui Weihua, A new multi-threshold image segmentation approach using state transition algorithm, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.02.015

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.

ACCEPTED MANUSCRIPT

Highlights

- A novel multi-threshold image segmentation approach based on state transition algorithm (STA) is proposed in this paper.
- A image denoising technique is introduced to remove noisy objects from the segmented image.
- Comparisons with OTSU, PSO, GA and DE have demonstrated the effectiveness of the proposed approach based on STA.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5471162

Download Persian Version:

https://daneshyari.com/article/5471162

Daneshyari.com