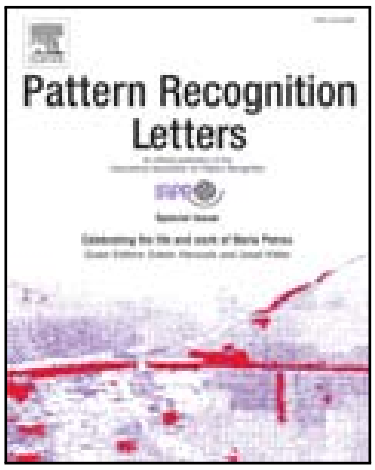
Accepted Manuscript



Automatic Brain Segmentation Using Artificial Neural Networks with Shape Context

Amirreza Mahbod, Manish Chowdhury, Örjan Smedby, Chunliang Wang

PII: S0167-8655(17)30431-2
DOI: 10.1016/j.patrec.2017.11.016
Reference: PATREC 7008

To appear in: *Pattern Recognition Letters*

Received date: 23 April 2017
Revised date: 7 September 2017
Accepted date: 24 November 2017

Please cite this article as: Amirreza Mahbod, Manish Chowdhury, Örjan Smedby, Chunliang Wang, Automatic Brain Segmentation Using Artificial Neural Networks with Shape Context, *Pattern Recognition Letters* (2017), doi: 10.1016/j.patrec.2017.11.016

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

- We propose an automatic segmentation method for brain image segmentation
- We propose a supervised learning algorithm based on artificial neural network
- Shape context information are brought into the frame of machine learning approach
- Our method achieved competitive results based on a public image database
- Our method requires comparatively short training and testing time

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/6940773

Download Persian Version:

https://daneshyari.com/article/6940773

Daneshyari.com