

## Accepted Manuscript

A New Deformable Model Based on Fractional Wright Energy Function for Tumor Segmentation of Volumetric Brain MRI Scans

Rabha W. Ibrahim , Ali M. Hasan , Hamid A. Jalab

PII: S0169-2607(18)30197-4  
DOI: [10.1016/j.cmpb.2018.05.031](https://doi.org/10.1016/j.cmpb.2018.05.031)  
Reference: COMM 4728



To appear in: *Computer Methods and Programs in Biomedicine*

Received date: 11 February 2018  
Revised date: 17 May 2018  
Accepted date: 24 May 2018

Please cite this article as: Rabha W. Ibrahim , Ali M. Hasan , Hamid A. Jalab , A New Deformable Model Based on Fractional Wright Energy Function for Tumor Segmentation of Volumetric Brain MRI Scans, *Computer Methods and Programs in Biomedicine* (2018), doi: [10.1016/j.cmpb.2018.05.031](https://doi.org/10.1016/j.cmpb.2018.05.031)

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 Fractional Wright Energy Function is proposed for Tumor segmentation
- The proposed method minimized the energy function more than gradient-descent method
- Performance is evaluated on standard multimodal brain tumor dataset (BRATS 2013)
- Experimental results show the effectiveness of our Energy Function for Segmentation

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6890712>

Download Persian Version:

<https://daneshyari.com/article/6890712>

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