## **Accepted Manuscript**

On Chain Rule for Fractional Derivatives

Vasily E. Tarasov

PII: S1007-5704(15)00208-7 DOI: 10.1016/j.cnsns.2015.06.007

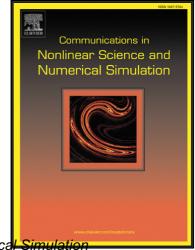
Reference: CNSNS 3577

To appear in: Communications in Nonlinear Science and Numerical Simulation

Received date: 20 April 2015 Revised date: 3 June 2015 Accepted date: 4 June 2015



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

- Simple chain rule cannot be performed for fractional derivatives of non-integer orders.
- Performing chain rule for fractional derivative means that derivative has order one.

• Simple chain rule should be violated for fractional derivatives.

### Download English Version:

# https://daneshyari.com/en/article/7155302

Download Persian Version:

https://daneshyari.com/article/7155302

<u>Daneshyari.com</u>