## Accepted Manuscript

Numerical solution of a time-space fractional Fokker Planck equation with variable force field and diffusion

Luís Pinto, Ercília Sousa

 PII:
 S1007-5704(17)30081-3

 DOI:
 10.1016/j.cnsns.2017.03.004

 Reference:
 CNSNS 4131



To appear in: Communications in Nonlinear Science and Numerical Simulation

Received date:	27 September 2016
Revised date:	27 January 2017
Accepted date:	4 March 2017

Please cite this article as: Luís Pinto, Ercília Sousa, Numerical solution of a time-space fractional Fokker Planck equation with variable force field and diffusion, *Communications in Nonlinear Science and Numerical Simulation* (2017), doi: 10.1016/j.cnsns.2017.03.004

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

- Model that consists on the time-space fractional Fokker-Planck equation with time dependent coefficients.
- Numerical method for the equation that takes in consideration:
  - (a) Time dependent coefficients;
  - (b) Regularity of the solution.

•

Download English Version:

## https://daneshyari.com/en/article/5011482

Download Persian Version:

https://daneshyari.com/article/5011482

Daneshyari.com