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Abstract

All papers relevant to the topics of the JCIS are welcome. The abstract should emphasize what is new and important and contain as much detail of the work as possible. Please follow the format and style described in this template. The abstract should be at least around 80 words. Each Figure should be placed in the main text as near as possible where it is discussed or, alternatively, all Figures can be placed preceding the reference list.

Keywords: Deep learning, synthetic images, image classification, river flow forecasting.

1. Introduction

In most scientific areas, there are many ways for collecting data from natural complex systems [1] in order to extract data structural information and perform different kinds of analysis on them [2]. For this reason, researchers usually have a lot of data sets stored independently, occupying huge hard drive memory space, which increases with the technological advances. In this context, data systems are often composed by spatio-temporal information of one, two and three dimensions that can represent many distinct possible measurements taken from the same observed system.

2. Title of This Section

The *Journal of Computational Interdisciplinary Sciences* (JCIS) is the official journal of Pan-American Association of Computational Interdisciplinary Sciences (PACIS). The main objective of the JCIS is to publish original research findings in the fields covered by the Scientific Committees of PACIS. The Editorial Board coordinates and evaluates the articles to be published. JCIS is published three times a year: Issue 1 (Mar/Apr); Issue 2(Jul/Aug); Issue 3(Nov/Dez).

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3. Title of This Section

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Papers can be oriented toward theory, experimentation, algorithms, numerical simulations, or applications as long as the work is creative and sound. All papers should be submitted in English and must meet common standards of usage and grammar. In addition, because of its multidisciplinary nature, at minimum the introduction to the paper should be readable to a broad range of scientists and not only to specialists in the subject area. The computational interdisciplinary area of the paper should be made clear using one of the journal key words: Computational Mathematics & Statistics; Computational Physics and Chemistry; Computational Biology and Bioinformatics; Computational Engineering & Technological Innovation; Applied Computing in Space and Environmental Sciences; Computational Data Analysis and Simulation in General Sciences. Failure to achieve this could disqualify the paper.

References

[1] Thijssen, J.M. Computational Physics,2nd Edition, 2007, Cambridge University Press.

[2] Bolzan, M.J.A., Rosa, R.R., Sahai, Y. Multifractal analysis of low-latitude geomagnetic fluctuations, Annales Geophysicae 27: 569-576, 2009.
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