Fractal and Multifractal Analysis of Complex Networks II

Guest Editor:

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Message from the Guest Editor

Complex networks are an approach to studying different real systems through graph-based representation, which allows their observation with different graph measures, such as, among others, degree distribution, clustering coefficient, betweenness or assortativity.

However, these measures are local in nature; thus, the global structures that compose the networks are hidden. To study these global structures in networks, the best approach seems to be multifractal analysis (MFA), which consists of the measurement of fractal dimensions in different scales of the network.

This Special Issue will accept original ideas in the form of unpublished original manuscripts focused on topics arising from the broadly understood field of the quantitative analysis of "complex networks", particularly their multiscale nature.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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