

Special Issue

Fractal and Multifractal Analysis of Complex Networks

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. Currently, we know many interesting properties of real complex networks. These are, among others, scale-free, small-world, and also self-similarity, which is closely related to the (multi-)fractality of the complex system. Fractal and (in general) multifractal analysis allows identifying and better understanding the nonlinear properties, hierarchical structure, and spatial heterogeneity of both real-world and synthetic systems. This Special Issue will accept original ideas in the form of unpublished original manuscripts focused on topics arising from the broadly understood field of quantitative analysis of “complex networks”, in particular, their multiscale nature.

Guest Editor

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