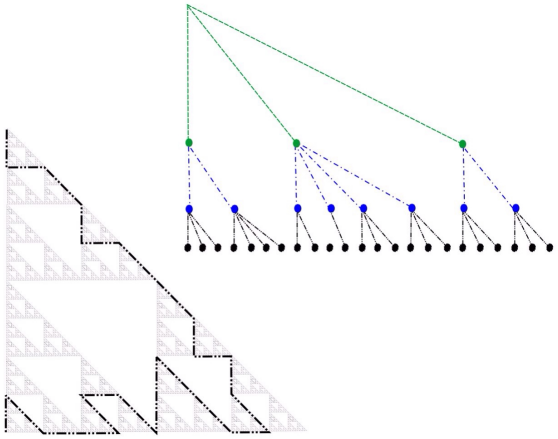
9 октября четверг

Коллоквиум факультета компьютерных наук НИУ ВШЭ



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On scale invariance, multifractal formalism, and their applications

Scale invariance represents a relatively new way to analyse and model real world data. It find numerous applications in many diverse fields, including the study of natural phenomena in physics, biology, but also man-made applications such as signal and image processing. Data presenting scale invariance do not have a well defined time scale playing a dominant role. Instead, their dynamics can be understood from the relationship existing across a whole range of scales. Multifractal theory is particularly useful for analysing this kind of data.
In this talk I will present some basic notions of fractal theory, and then discuss the multifractal formalism. I will illustrate the theory with examples taken from the literature and my research, including multiplicative cascades on trees and random

Доклад будет представлен на английском языке

9 октября, 16:40-18:00
Адрес: Кочновский проезд, дом 3, 3 этаж
Лекционный зал Декарт
Уважаемые коллеги! В НИУ ВШЭ работает пропускная система, заказать пропуск можно на computerscience@hse.ru