

Combinatorics Seminar

Friday January 18, 2013 at 2PM

Room B1.01

Endre Csóka

(Eötvös Loránd University, Budapest)

Local algorithms on bounded degree graphs

We focus on the question of which properties and parameters of a very large bounded-degree graph can be estimated by a constant-time sampling. A strongly related concept is the local algorithm on bounded-degree graphs, which means that we construct a structure, say a large independent set, in such a way that we decide about each vertex depending only on its constant radius neighbourhood. I will give a brief introduction to these topics with some recent results, open questions, and connections to other topics.

There will be refreshments for the attendees. Everyone is welcome.



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