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Distributed algorithms for minimum dominating set problem

Abstract:

This talk is about a fast distributed algorithm for finding an approximated solution for minimum dominating set problem in graphs. First, an outline of distributed algorithms will be given and then the algorithm for the minimum dominating set will be presented. It will be shown theoretically that the algorithm gives a constant factor approximation for certain classes of planar graphs. Finally some experimental results for graphs from real data benchmarks will be presented that shows heuristically the algorithm gives a reasonable answer.

MATHEMATICAL

Azar 30th, 1399

5 PM

December 20th, 2020

Sunday

Link: <https://vclass2.modares.ac.ir/b/ali-ejp-dim-y8w>