



Ciclo de Seminários

Cláudia Linhares Sales

Professora Titular - Univ. Fed. Ceará (UFC)

Ana Shirley F. da Silva

Professora Adjunta - Univ. Fed. Ceará (UFC)

Even if it's hard, keep coloring

In this seminar, we are going to summarize our joint work with Frédéric Maffray, separately and together. It was almost all about colorings, looking for methods to exactly color graphs or find classes of graphs which could be easily colored, and by the end, measuring the quality of easy methods to color them.

Cláudia is going to talk mainly about "paires d'amis" (couple of friends or even pair) as their main results were about friendship, explaining how "paires d'amis" can be used to color graphs. She is going to remember their search for "pair d'amis" in planar graphs, claw-free graphs, dart-free graphs and C_4 -free graphs, and how they turn their search to measure the quality of the greedy and b-heuristics colorings, already together with Ana.

Ana is going to talk about her work on b-colorings, started with Frédéric Maffray and continued with other co-authors. In particular, she is going to talk about the b-chromatic number and the b-continuity of graphs with large girth. These concepts were introduced in 1999, by Irving and Manlove, in the light of an heuristic that tries to decrease the number of colors used in a given proper coloring of the graph, called b-heuristic.

quarta-feira

14 de novembro

11:00hs

Sala H324B