



A Study of Tabu Search for Coloring Random 3-Colorable Graphs Around the Phase Transition

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Résumé en anglais	The authors present an experimental investigation of tabu search (TS) to solve the 3-coloring problem (3-COL). Computational results reveal that a basic TS algorithm is able to find proper 3-colorings for random 3-colorable graphs with up to 11000 vertices and beyond when instances follow the uniform or equipartite well-known models, and up to 1500 vertices for the hardest class of flat graphs. This study also validates and reinforces some existing phase transition thresholds for 3-COL.
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Liens

- [1] <http://okina.univ-angers.fr/jeanphilippe.hamiez/publications>
- [2] <http://okina.univ-angers.fr/jinkao.hao/publications>
- [3] [http://okina.univ-angers.fr/publications?f\[author\]=7517](http://okina.univ-angers.fr/publications?f[author]=7517)
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