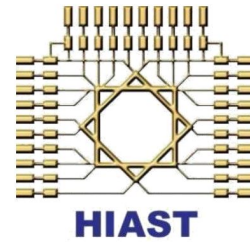


Syrian Arab Republic

Higher Institute for Applied Sciences and Technology

Informatics Department

Fourth Year



Using Genetic Algorithms to Find Approximations for the Minimum Vertex Cover Problem

Keywords: genetic algorithms, NP-complete, combinatorial optimization,
non-deterministic algorithms, approximation algorithms, minimum vertex cover.

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February 21, 2018

Abstract

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1 Introduction

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2 Genetic Algorithms

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3 The Minimum Vertex Cover Problem

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4 Experimental Results

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5 Conclusion

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