Effect of population size in heterogeneous machines in a distributed EA

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ABSTRACT

Parallel MOACOs in an island model 'mu bonico'

Categories and Subject Descriptors

H.4 [**Information Systems Applications**]: Miscellaneous; G.1.6 [**Mathematics of Computing**]: NUMERICAL ANALYSIS—*Optimization*

General Terms

Algorithms

Keywords

distributed algorithms, island model, migration rate, migration policies

1. INTRODUCTION

2. STATE OF THE ART

In past...

2.1 Experimental setup

2.2 Results

Leyenda: HoSi = Homogeneous size. HeSi = Heterogeneous size. HoHa = Homogeneous hardware. HeHa = Heterogeneous hardware.

2.2.1 MMDP Problem

2.2.2 OneMax Problem

3. CONCLUSIONS

Very beautiful work

4. ACKNOWLEDGMENTS

Thanks to everybody

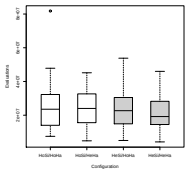

Figure 1: Number of evaluations for MMDP problem.

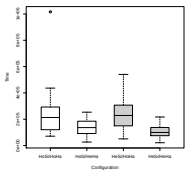

Figure 2: Time to obtain the optimum in the MMDP problem.

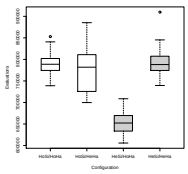

Figure 3: Number of evaluations for OneMax problem.

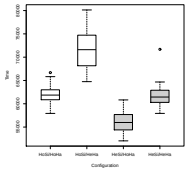

Figure 4: Time to obtain the result.