

Bat Algorithm on GPU

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Abstract.

Resumo.

1. General Information

The bat algorithm was introduced...

In this work the bath algorithm used was the one proposed by (parpinelli reference).

It was developed two versions of the algorithm. One that runs on CPU and the other which uses GPU.

The benchmark functions used were the following:

ROSENBROOK, SPHERE, SCHWEFEL, ACKLEY, RASTRINGIN, GRIEWANK, SHUBER

For the GPU version the approach used was the split of each individual in one thread. It was observed speedups with big populations.

The tests were executed on an I5 with...

2. References

Bibliographic references must be unambiguous and uniform. We recommend giving the author names references in brackets, e.g. [?], [?], and [?].

The references must be listed using 12 point font size, with 6 points of space before each reference. The first line of each reference should not be indented, while the subsequent should be indented by 0.5 cm.