Bio-inspired Optimization Techniques using Apache Hadoop and Oozie

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Optimization

SOP and MOP

Bio-inspired optimization

GA and NSGA-II

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Overview

What is Hadoop?

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Components

HDFS

YARN

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Oozie

Oozie

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Concept

System architecture

Master-worker

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Task system

Task Broker

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Task system
Endpoint and Worker

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Test scenario

Environment and Test Problems

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Results

Correctness and Algorithm execution times

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Results

Performance Influences

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Results

Speedups And Comparison to Standalone Implementations

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Conclusion

References

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