

Distributed BBO for robot control

Simon et al. (2013) propose a distributed version of BBO.

Questions

1. Explain BBO and compare it to two other evolutionary algorithms. Explain the advantages and shortcomings of all three algorithms. How could they be used for robot control?
2. Implement the proposed DBBO and compare it on an artificial example to another known method.

References

Simon, D., Shah, A., and Scheidegger, C. (2013). Distributed learning with biogeography-based optimization: Markov modeling and robot control. *Swarm and Evolutionary Computation*.