

Feedback-controlled PSO

Wong et al. (2012) propose a feedback-controlled PSO.

Questions

1. Explain and motivate the principle of the proposed algorithm. What are the advantages and shortcomings? How does it compare to other biology-inspired algorithms?
2. Optimize at least two of the benchmark function used in Wong et al. (2012) using the methods you know. Compare the results to those obtained by Wong et al. (2012).

References

- Wong, W., Leung, S., and Guo, Z. (2012). Feedback controlled particle swarm optimization and its application in time-series prediction. *Expert Systems with Applications*, 39:8557–8572.