Abstract

Artificial bee colony optimization algorithm is one of the popular swarm intelligence technique anticipated by D. Karaboga in year 2005. Since its inception, this algorithm was modified by a number of researchers and applied in different areas of engineering, science and management to solve very complex problems. This algorithm is very simple to implement and has the least number of control parameters. In the last two decades, a large number of new algorithm based on natural phenomenon like artificial bee colony algorithm are developed and used to find solution of many real world problems. This paper provides a state of the art survey of ABC algorithm and analysis of its performance with different size of population.

References

2. Brownlee, Clever algorithms: nature-inspired programming recipes. Jason Brownlee,
2011.


Index Terms

Computer Science Algorithms

Keywords

Nature Inspired Algorithm, Memetic algorithm, Swarm intelligence, Evolutionary computation.