عنوان مقاله:

Construction of a non-linear weighting coefficients to increase the speed of convergence Collective intelligence algorithms of birds

نویسندگان:

MOHAMMAD TOHIDI - *Corresponding Author Department of Mathematics, Islamic Azad University, Eyvan-e-Gharb Branch, Eyvan, Iran*

JAFAR EMAMIPOUR - *Department of Computer, Payame Noor University, Ilam, Iran*

خلاصه مقاله:

The PSO algorithm has a few parameters that must be adjusted. Among these parameters, weighting coefficient plays an important role and has provided great potential to work. During the past decade, various methods such as Fuzzy, constant and linear weighting coefficient are provided for the purpose of construction. In this paper, a non-linear weighting method is presented in descending order. In this method, only the number of repetitions as the main factor is the weighting coefficient. The proposed method is tested with test function known as Benchmark. The results prove the speed and performance of the proposed method compared to ther methods

کلمات کلیدی:

Particle Swarm Optimization, weighting coefficient, optimization

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