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Implementation of nature-inspired optimization algorithms ...

In recent algorithmic family simulates different biological processes observed in Nature in order to efficiently address complex optimization problems. In the last years the number of bio-inspired optimization approaches in literature has grown considerably, reaching unprecedented levels that dark the future prospects of this field of research.

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Many of these algorithms are inspired by various phenomena of nature. In this paper, a new population based algorithm, the Lion Optimization Algorithm (LOA), is introduced. Special lifestyle of lions and their cooperation characteristics has been the basic motivation for development of this optimization algorithm.

Lion Optimization Algorithm (LOA): A nature-inspired ...

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Nature-inspired computing (NIC) refers to a class of meta-

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heuristic algorithms that imitate or are inspired by some natural phenomena explained by natural sciences discussed earlier. A common feature shared by all nature-inspired meta-heuristic algorithms is that they combine rules and randomness to imitate some natural phenomena.

Nature Inspired Computing: An Overview and Some Future ...

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The talk entitled "Nature Inspired Optimization and Application in Transportation and Communication" was delivered on 25th June 2016 at Shanghai Maritime University, China Recommended Citation Patnaik, Srikanta Professor, "Nature Inspired Optimization and Application in Transportation and Communication" (2016).

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