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Sensor Network Routing Optimization by Simulating Eurygaster Life in Wheat Farms

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Abstract : A sensor network is set of sensor nodes that cooperate together to perform a predefined tasks. The important problem in this network is power consumption. So, in this paper one algorithm based on the eurygaster life is introduced to minimize power consumption by the nodes of these networks. In this method the search space of problem is divided into several partitions and each partition is investigated separately. The evaluation results show that our approach is more efficient in comparison to other evolutionary algorithm like genetic algorithm.

Keywords : evolutionary computation, genetic algorithm, particle swarm optimization, sensor network optimization
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