Abstract

Many engineering design problems can be formulated as optimization problems with constraints. In this paper we have proposed two modified variants of differential evolution (DE) for solving constrained engineering design problems. Pareto-ranking method is used to handle constrained with proposed approaches. The proposed variants named EDE-1 and EDE-2 are tested on 4 engineering design optimization problems taken from literature. Simulation results prove the efficiency of proposed approaches.

References
Two Enhanced Differential Evolution Algorithm Variants for Constrained Engineering Design Problems

- Kumar, P., Pant, M. and Abraham, A. 2011. Two enhanced differential evolution variants for solving global optimization problems. In Proceeding of Third World Congress on Nature and

**Index Terms**

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