

A NEW ASPECT OF GENETIC ALGORITHM

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Abstract

We introduced a new evolutionary based algorithm and named it Bisected Algorithm. Bisected Algorithm mimics the behavior of living creatures which reproduce through bisection. In the present study we have approached the problem from a biological perspective and extended the Bisected Algorithm.

Key Words : Evolutionary Algorithm, Bisected Algorithm, Genetic Algorithm, Population space, Mutation, Copy, Repair.

Mathematics Subject Classification : 05C 22.