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Routing in Computer Networks

R. Rajalakshmi

Abstract - Literature reported, a novel approach in designing a routing protocol for finding the shortest distance between two nodes using Genetic Algorithms (GA). Genetic Algorithm is a random search technique used to solve large scale optimization problems. It is a stochastic search technique based on the principle of biological evolution used for problem solving strategy. It uses payoff function to quantitatively evaluate the candidate through (guide) random search. Its advantage lies in the robustness of search and problem independence. This operates on a population of individual which represents points in the search space.