Abstract

Genetic algorithm is an intelligent way for solving combinatorial, NP hard problems and many other problems which cannot be easily solved by applying traditional mathematical formula. The proposed method gives a new variant of the Standard Genetic algorithm which is very simple and will easily find the solution even for complex problems. It implements the concept of
An Efficient Grouping Genetic Algorithm

grouping to reach the optimal solution. The selection pressure which is a crucial factor that determines the efficiency of the algorithm is very much reduced in the proposed algorithm. The convergence velocity of the algorithm is greatly improved thereby reducing the time taken for the algorithm to reach the solution.

Reference


Index Terms

Computer Science Evolutionary Computing

Key words
<table>
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<tr>
<th>Velocity</th>
<th>Genetic algorithms</th>
<th>Selection Pressure</th>
<th>Convergence</th>
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