

## Abstract Details

**Title:** A Genetic Approach for Optimization

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**Abstract:** An optimization problem involves finding values of the variables that minimize or maximize the objective function while satisfying certain constraints. Genetic algorithms are the adaptive heuristic search algorithms based on evolutionary idea of natural selection and genetics. GA's are intelligent exploitation of random search used in optimization problems. GA although randomized, exploits historical information to direct the search into the region of better performance with in the search space. In this paper genetic approach for solving the optimization problem will be presented. As Genetic algorithms are good to search a huge search spaces and navigating them looking for optimal solutions one might not otherwise find in a life time.

**Keywords:** Optimization, search space, genetic algorithm.