Abstract

Path planning is one of the important part of robotics. In this paper a path planning method based on genetic algorithm is proposed for finding path for mobile robot in dynamic environment. Here the genetic algorithm is applied at a point in the problem space not at the complete space. In this study the performance of the algorithm in terms of execution time and path length is evaluated using MATLAB environment.

References

Robotic Path Planning using Genetic Algorithm in Dynamic Environment


Index Terms
Computer Science Artificial Intelligence

Keywords
Genetic Algorithm Mobile Robot Path Planning.