

Athens Course

Genetic Algorithms: Report

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Contents

1	Introduction	1
2	Formulation of objective function	1
3	Specification of search space	1
4	Genetic Algorithm	1
5	Particle Swarm Optimization	1
A	Genetic Algorithm: Matlab output	1
B	Particle Swarm Optimization: Matlab Output	1

1 Introduction

This report described two approaches to solve this Optimization problem. The first one uses a Genetic Algorithm, the second one uses Particle Swarm Optimization. These solutions to the given problem are described in the following sections. In the Appendix, the output of the program is shown.

2 Formulation of objective function

3 Specification of search space

4 Genetic Algorithm

5 Particle Swarm Optimization

A Genetic Algorithm: Matlab output

B Particle Swarm Optimization: Matlab Output