Performance comparison DE vs PSO for benchmark function: Axis Parallel Hyper-Ellipsoid in [-50:50]

K. Zegene

Abstract
The aim of the project is to analyze the performances of two evolutionary algorithms (Differential Evolution and Particle Swarm Optimizer) when dealing with benchmark functions. In particular, this project will analyze the performances of both the algorithms for: Axis Parallel Hyper-Ellipsoid in [-50:50]

Reference Bibliography: Evolutionary Optimization [1]-[53].


This report is submitted in partial fulfillment of the degree of the course “OTT”.

Supervisors: Prof. A. Massa, Dr. M. Salucci.