

“Evolutionary Computation”

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Homework 4

Evaluation of $ES(1+\lambda)$ and $ES(1,\lambda)$:

As we can see in the following figures, $ES(1,\lambda)$ converged to the global minimum with lower number of evaluations compared to $ES(1+\lambda)$ with exactly the same parameters. It seems that the best λ -values are 6 to 10 and the value of 1 has performed poorly as we expected since it represents random steps towards the solution.

