

Home problem 1 feedback

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Submission:

Time:

Name of file:

Civic registration in report:

Report in PDF format:

Comments

Points

OK

OK

OK

OK

Problem 1.1:

fp($x; \mu$) definition + gradient + unconstrained minimum (0.5p):

Code + correct output (1.5p):

Report and convergence discussion (1p):

OK

OK

OK

Score (max 3p):

3

Problem 1.2:

Correct approach (grad $F = 0$ in the interior, Lagrange over boundary) (1p):

All critical points found (1p):

Global minimum and maximum, and function values stated (1p):

OK

OK

OK

Score (max 3p):

3

See next page!

Problem 1.3:

Parts (a-b)

Implementation (1.5p):

Code performance (results) (0.5p):

Mutation rate analysis (0.5p):

Mutation rate discussion (0.5p):

In tournament selection, if no individual is selected,
you should select the least fit candidate, not the

best

OK

OK

OK

-0.5

c) Analytical proof with relevant steps (1p):

OK but you should be able to make a more accurate
guess of where the actual point is

Score (max 4p):

3.5

Total score (max 10p):

9.5

You DO NOT need to resubmit your solution