

Tenth problem set

Due date: 2019.05.09, 9.00

Topic: real representation

You have to send your solutions via email (evolalghf@gmail.com). You have to solve them unassisted, unless it's marked with a star. The problems marked * can be solved in groups of two. You can get maximum 10 points.

1. Write the gradient method algorithm in your favorite programming language, and test it for the $f(x, y) = x^2 + y^2$ function and for your own test-function (the two dimensional version of it).

K5O2VX	Rastrigin-function
CHI5TC	Rosenbrock function
FTCQWQ	Matyas function
GKOF8L	Beale's function
YAOQOOJ	Booth's function
E9RPX3	Three-hump camel function
BL7SC7	McCormick function
RC06LO	Styblinski-Tang function
W56X5E	Rastrigin-function

The test-functions can be found here: https://en.wikipedia.org/wiki/Test_functions_for_optimization