Assignment - 2

18k41A0595

I find the global minimum point and value for the function & (4,4) = x2+y+10

stp 1: x=-1, y=+1, h=0-1, epoclus = 2

typs: = 2x = -2

y' 8 = 2 y = 2

stop 4: Ax=-hold

X =)C+AY = -(+0.2 =-0.7

y = y+ Dy = 1-6-2=0.8

stp 6: Hav = its +1 = 1+1

if (iter > epoclus)

Alope
$$y = 1 + 1 + 2 + 1 = 3$$

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 $f(x,y) = x^{2} + y^{2} + 10$ $= (0.64)^{2} + (0.64)^{2} + 10$ = 0.4 + 0.4 + 10 = 10.8