Marrial Calculations. For two 9 terrations f(x,y)=2+y2+10

8tip!! x=-1, y=+1, n=0.1, epoches=2

step2! "it = 1.

E=1+ (= x4: 12 gill Step 3! 3f = 22 = 2(-1) = -2

34 = 24 = 201)=2

Step 4! An=- 1.2t = -2(-0.1)=0.2

 $\Delta y = -\eta \cdot \frac{\partial f}{\partial y} = -(0.1)(2)$

Steps! x=x+1x=-1+0.2=-0.8

y=y+0y= 1-0,2=0,8

Step 6! ?t8 = 1+1=2

step A: if (it's > epochs). (272) false.

Go to SEP 3.

Step 3: of = 2x = 2(-0,8)= -1.6.

of = 2(0.8)=1.6.

8(Epq: 12 - (0,1)(-1.6) = 0.16 Dy= -(0.1)(1.6) milalustas la many = -0.16 OHTUFR = (0 K) Step 5! $\chi = -0.8 + 0.16$ $\gamma = 0.8 - 0.16$ = -0.64, $\gamma = 0.64$ T=876 15000 Step 6! itx = 2+1=3 5-= (1-)e= xx = +6 15 q0% Step 7! 273 goto step 8. 10-03 - 18-4-5 - 5 (-0) 2=-0.64 slep8! 4=0.64 +(n,y)= (-0.64)+(0.64)2+10 = 0.4+0.4+10 12908 8.0=0.0-10.8 NOHEY

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