Assignment 4

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Step 1 [
$$+ 6$$
, $+ 6$, $+ 6$] $+ 7 = 0.01$, $+ 6$] $+ 6$,

2 + (I-) - (I+) - h+I)

- O - 1 - 0 · 50H

(1-15-3-1) (1-13)

Iteration - 2 51: [7-6, 157], n=0.01, m=-10.43, C=0.504 82: $\frac{\partial E}{\partial M} \Big|_{M=1043} = (157 - (10.43)(7.61) - 0.54)(7.61)$ = (157+ (10 43) (1.61) -0.504) (7.61) = (156.496+79-372) (7.61) = 1794.955 DE 1 = 0.504 = - (157- (-10-43) (7.61) -0.54) = 235.868 53: Dm = -1 3E = (0.01 × 1794.955)= -17-949 $\nabla C = -u \frac{\partial C}{\partial E} = (-0.01)(-5.32.88)$ = 2-358 Su: m=m+Dm=-10.43+(-17.943) = -28.379 C = Cfsc = 0.504 + 2.358 = 2.862 Sample-2 Steration-1

S1: (+1,144) n=0:01, m=1, C=-1

 $52: \frac{\partial E}{\partial m} \Big|_{M=1} = -(y_1^{q} - m \eta_1^{q} - C) - \gamma_1^{q}$ = (1 + 4 - (+ -1) - (-1) + 7 - 1 = (1 + 7 - 7 - 1)(7 - 1)

- 3-187

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