Assignment - 5A

Iteration 1 2 = 0-1, m= 1, c = -1

$$\frac{\partial \mathcal{E}}{\partial m} = \frac{1}{2} \left[\left(\left(571.8 - C_{1}\right) (75.1) + 1 \right)^{2} 15.1 \right) + \left(\left(571 - C_{1}\right) \left(74.3 \right) + 1 \right)^{2} 74.3 \right) + \left(\left(570.5 - C_{1}\right) \left(58.7 \right) + 1 \right)^{2} 68.7 \right) = -51056.3$$

$$\frac{\partial \mathcal{E}}{\partial c} = -\frac{1}{2} \left(503.7 + 503.7 + 482.2 \right) = -745.3$$

$$DM = -0.1 \left(-5905.31 \right) = 5905.431$$

$$DC = -0.1 \left(-745.3 \right) = 74.53$$

$$m = 5406.421$$
 $c = 73.53$

$$\frac{3e}{3m} = -\frac{1}{2} \left[\left((577-8-(5706.631)(275.1)-73.53) \right) \right]$$

$$*75.1) + \left((577-(5706.631)(774.3) - (5706.631)(774.3) - (5706.631)(774.3) \right]$$

$$= (38.7) - 73.53) + (5706.631)$$

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$$\frac{1E}{3c} = -1/2 \left(-1 + 04863.731 \right) = 702431 - 365$$

$$\delta m = -0.1 \left(56.13654 + 9.18 \right) = -5613654 - 293$$

$$\delta c = -0.1 \left(701431.865 \right) = 70143-1865$$

$$m = -5607747-665 \quad C = 73-53-70143-1365$$