Ans to the Osi, 41



$$\delta_{f_2} = e_{f_2} \phi' (V_{f_2})$$

$$\mathcal{E}_{f_3} = \bigoplus_{f_3} \Phi'(V_{f_3})$$

For h-layer,

For p-(ayer), $\delta P_1 = \Phi'''(VP_1) \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{L}}{e} \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{U}}{h} \stackrel{\mathcal{U}}{e}_1$ $\delta P_2 = \Phi'''(VP_2) \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{L}}{e} \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{U}}{h} \stackrel{\mathcal{U}}{e}_2$ $\delta P_3 = \Phi'''(VP_3) \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{L}}{e} \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{U}}{h} \stackrel{\mathcal{U}}{e}_1$ $\delta P_4 = \Phi'''(VP_4) \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{L}}{e} \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{U}}{h} \stackrel{\mathcal{U}}{e}_1$ $\delta P_6 = \Phi'''(VP_5) \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{L}}{e} \stackrel{\mathcal{L}}{h} \stackrel{\mathcal{U}}{h} \stackrel{\mathcal{U}}{e}_1$

For m-layer, $\delta m_1 = \phi''''(vm_1) \underset{p \in C}{\mathcal{E}} \delta_p \omega_{pm_1}$ $\delta m_2 = \phi''''(vm_2) \underset{p \in C}{\mathcal{E}} \delta_p \omega_{pm_2}$ $\delta m_3 = \phi''''(vm_3) \underset{p \in C}{\mathcal{E}} \delta_p \omega_{pm_3}$ $\delta m_4 = \phi''''(vm_4) \underset{p \in C}{\mathcal{E}} \delta_p \omega_{pm_4}$ $\delta m_4 = \phi''''(vm_4) \underset{p \in C}{\mathcal{E}} \delta_p \omega_{pm_5}$ $\delta m_5 = \phi''''(vm_5) \underset{p \in C}{\mathcal{E}} \delta_p \omega_{pm_5}$ $\delta m_6 = \phi''''(vm_6) \underset{p \in C}{\mathcal{E}} \delta_p \omega_{pm_6}$