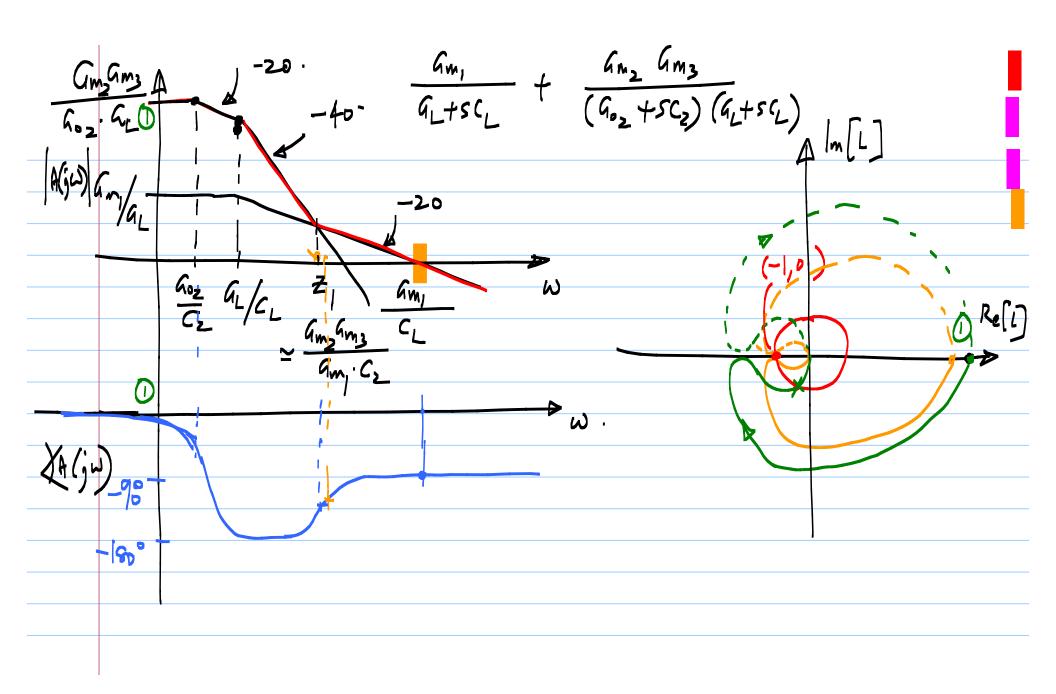


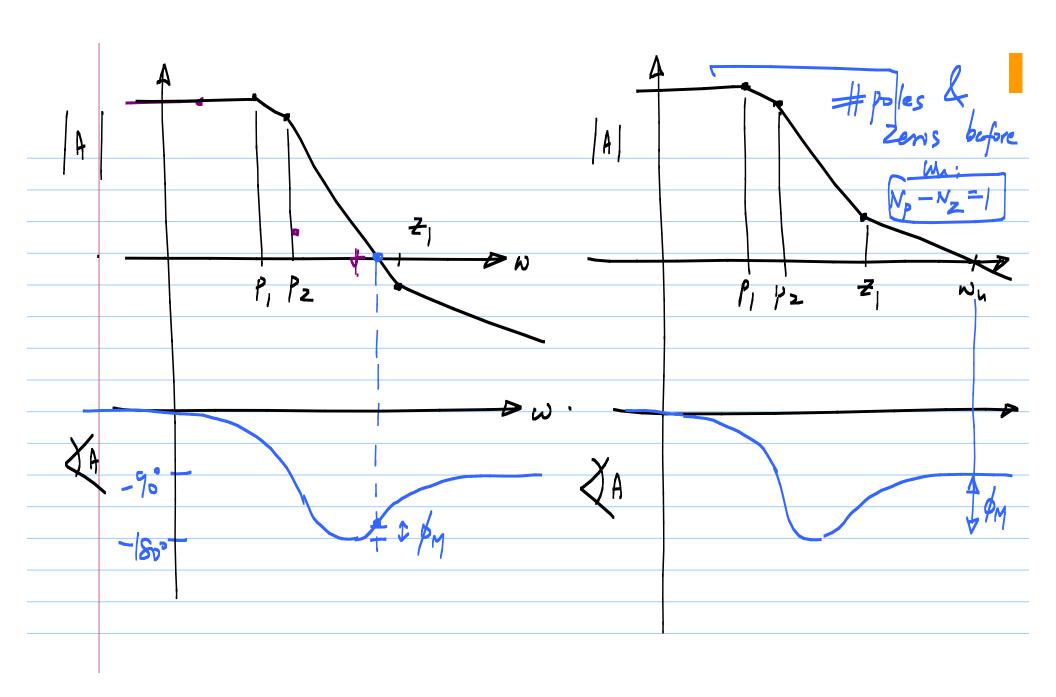
$$\frac{V_{s}(s)}{V_{e}(s)} = \frac{G_{m_{1}} + \frac{G_{m_{2}}G_{m_{3}}}{K_{o_{2}} + sC_{2}} \frac{1}{G_{L} + sC_{L}}}{G_{L} + sC_{L}}$$

$$= \frac{G_{m_{1}}}{G_{L} + sC_{L}} + \frac{G_{m_{2}}G_{m_{3}}}{(K_{o_{2}} + sC_{2})(K_{L} + sC_{L})}$$

$$= \frac{G_{m_{1}}(K_{o_{2}} + sC_{2}) + K_{m_{2}}K_{m_{3}}}{(K_{o_{2}} + sC_{2})(K_{L} + sC_{L})} = \frac{(1 + \frac{s}{2})}{(1 + \frac{s}{2})(1 + \frac{s}{2})}$$

$$\downarrow_{l} = \frac{G_{L}}{C_{L}}; \quad \downarrow_{l} = \frac{G_{o_{2}}}{C_{2}}; \quad \downarrow_{l} = \frac{G_{m_{1}}K_{o_{2}} + K_{m_{2}}G_{m_{3}}}{G_{m_{1}}C_{2}} \times \frac{G_{m_{2}}G_{m_{3}}}{G_{m_{1}}C_{2}}$$





Feedforward Compensated gain frequency -

