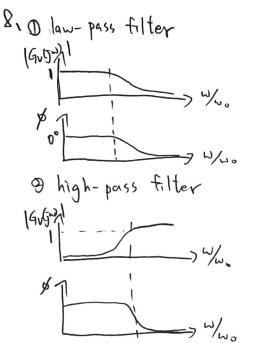
E1408 218)
$$\frac{1}{10}$$
 $\frac{1}{10}$ $\frac{1}{10}$

$$\begin{array}{c} I_{1} \\ P_{1} = I_{1}^{2} P_{1} = \frac{V_{1}^{2}}{(R_{1} I_{1})_{1}} P_{1} \\ P_{2} \\ P_{3} \\ P_{4} \\ P_{4} \\ P_{5} \\ P_{5}$$



19vl must be 1 low w > p must be 0°, so that there won't have noise in |Gu(jw) high w > & can be any number, because | Gu(jw) would be zero

low wax can be any number, because | Guljw) | would be zero. high W => x must be 0°, so that there won't have noise in |GNGW). Gul must be 1

filter

IGUI must be 1 WIZWZWZ > & must be 0°, so that there work have noise in [GV].

> & can be any number, because (Gv(JW)) would be zero.

W=Wo =) & can be any number, because IGV would be zero. w = wo = p must be 0°, so that there won't have noise Th |Gv |. Gul must be 1

$$K \gamma_{0} + B \frac{d\gamma_{0}}{dt} = M \frac{d^{2} \chi_{M}}{dt^{2}} \frac{\chi_{M} = \chi_{1} - \chi_{0}}{M (\frac{d^{2} \chi_{1}}{dt^{2}} - \frac{d^{2} \chi_{0}}{dt^{2}})$$

$$\begin{cases} \chi_{1}(j\omega) = |\chi_{1}|e^{j\phi_{1}} \\ \chi_{0}(j\omega) = |\chi_{0}|e^{j\phi_{0}} \end{cases}$$

$$M(j\omega)^{2} \chi_{0} + B(j\omega)\chi_{0} + k \chi_{0} = M(j\omega)^{2} \chi_{1}$$

$$\Rightarrow (-\omega^{2}M + j\omega)B + k \chi_{0} = -\omega^{2}M\chi_{1}$$

= XOGW) = -WM +JWB+K