P.L.C.

Not Used 1 12017

Voltage Dividers

$$I = \frac{V_{i1}}{2_1 + 22}$$

$$U_{o,r} + = \frac{2}{2} I = \frac{2}{2} U_{i,r}$$

es.
$$\frac{2}{R} = \frac{2}{2} = \frac{R}{R+R}$$
 $\frac{1}{11} = \frac{1}{2}$ $\frac{1}{11}$

$$tan \phi = \frac{b}{a}$$
 $r = a^2 + b^2$
 $= |2|^2$

$$\phi\left(\frac{z_1}{z_2}\right) = \phi_1 - \phi_2$$

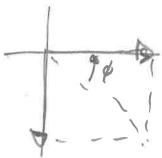
High - Pass Filher

R - 1 WC U.st = Uin

W KKWO

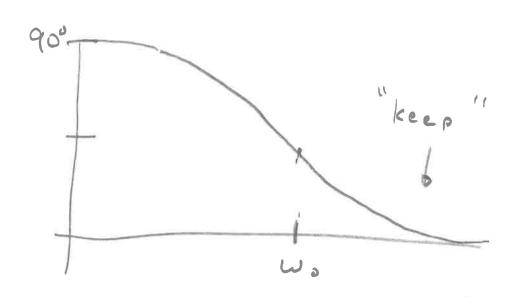


Ø-790 AS U KKWO いこいい

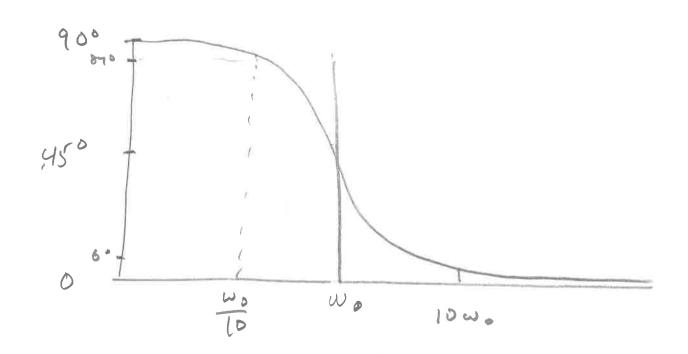


Q = 45° a+ w= V0

0-0 a> w ?740



$$\phi\left(\frac{U_{out}}{U_{in}}\right) = tan^{-1}\left(\frac{W_{o}}{W}\right)$$



Low - Pass, Filter

Voot = -1 ste Vin - MANY

WECHO

ROLLING

A-450

D D

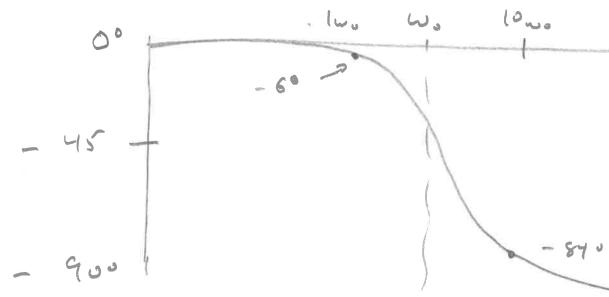
\$ 3 0 CCW.

1-7-450

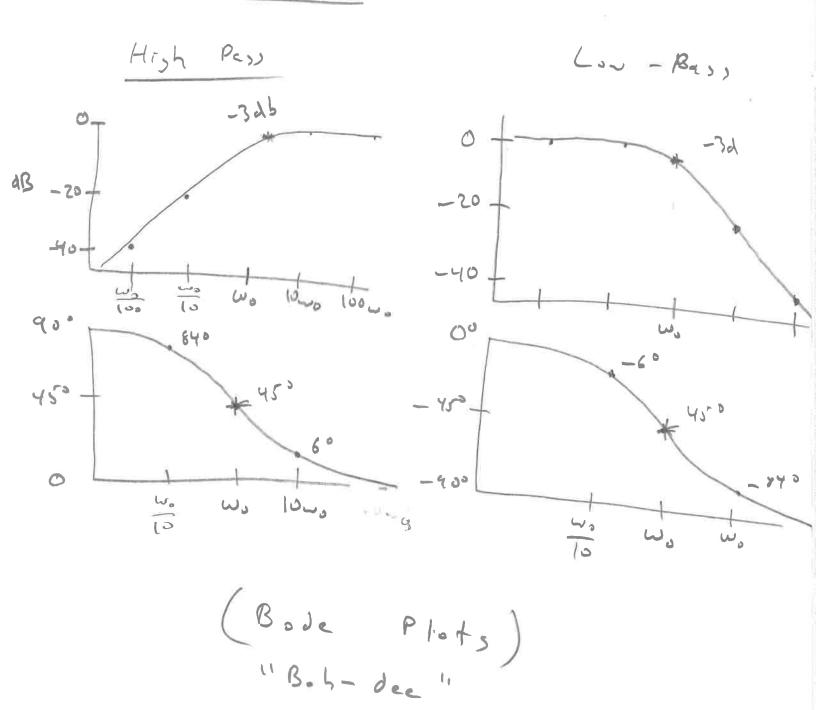
Ø → -90°

at waws

かんファルコ



Sunny



Hish Pass

R

Vost

Charges Magnitude + Phase

Low - Pass Filter

Magnitude of Hist- Pass

$$\frac{|V_0|^2}{|V_0|^2} = \frac{|V_0|^2}{|V_0|^2} = \frac{|V_0|^2}{|V_0|^2}$$