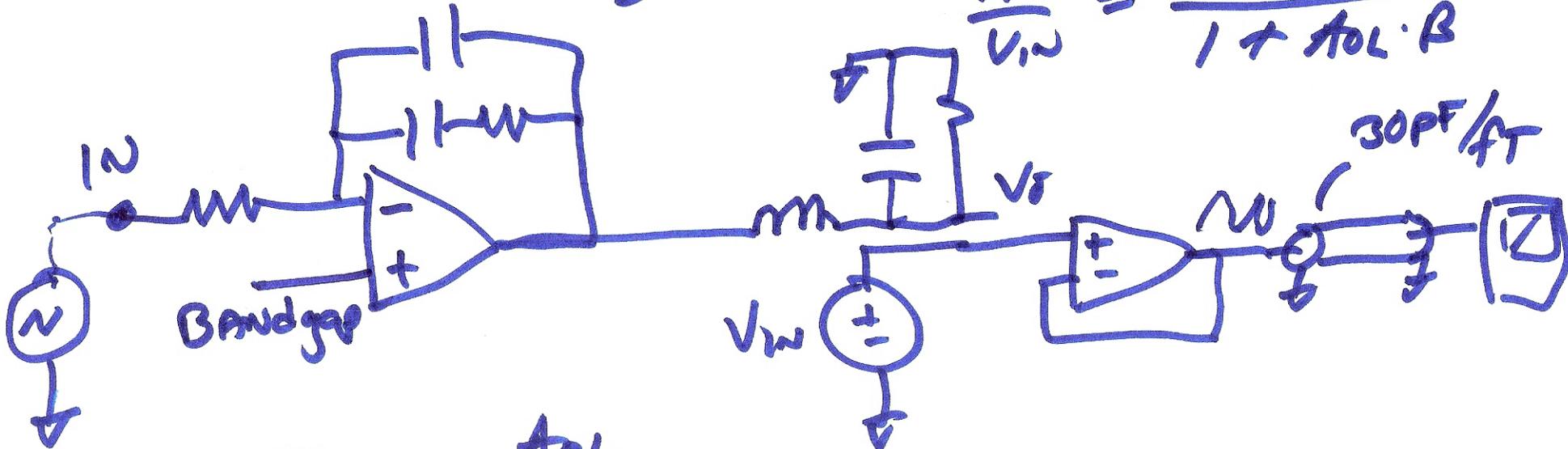
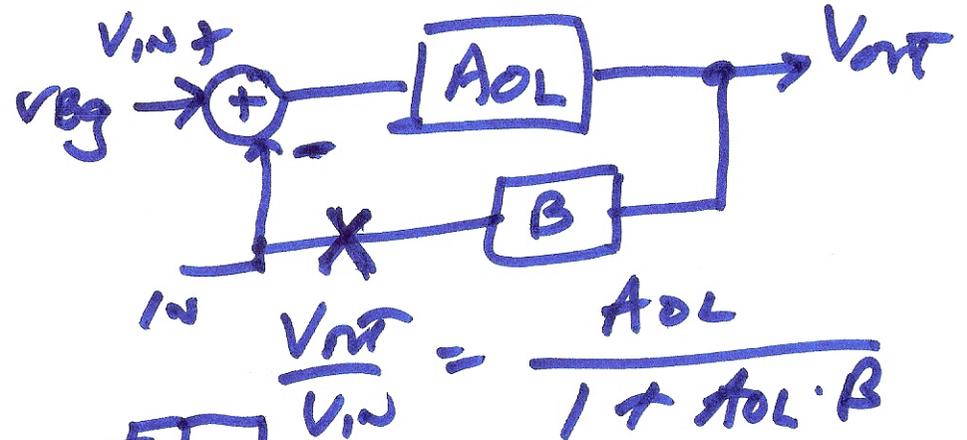
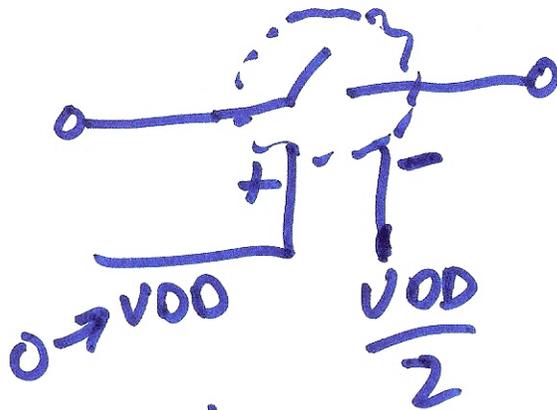


ECE 5/472 Power Electronics

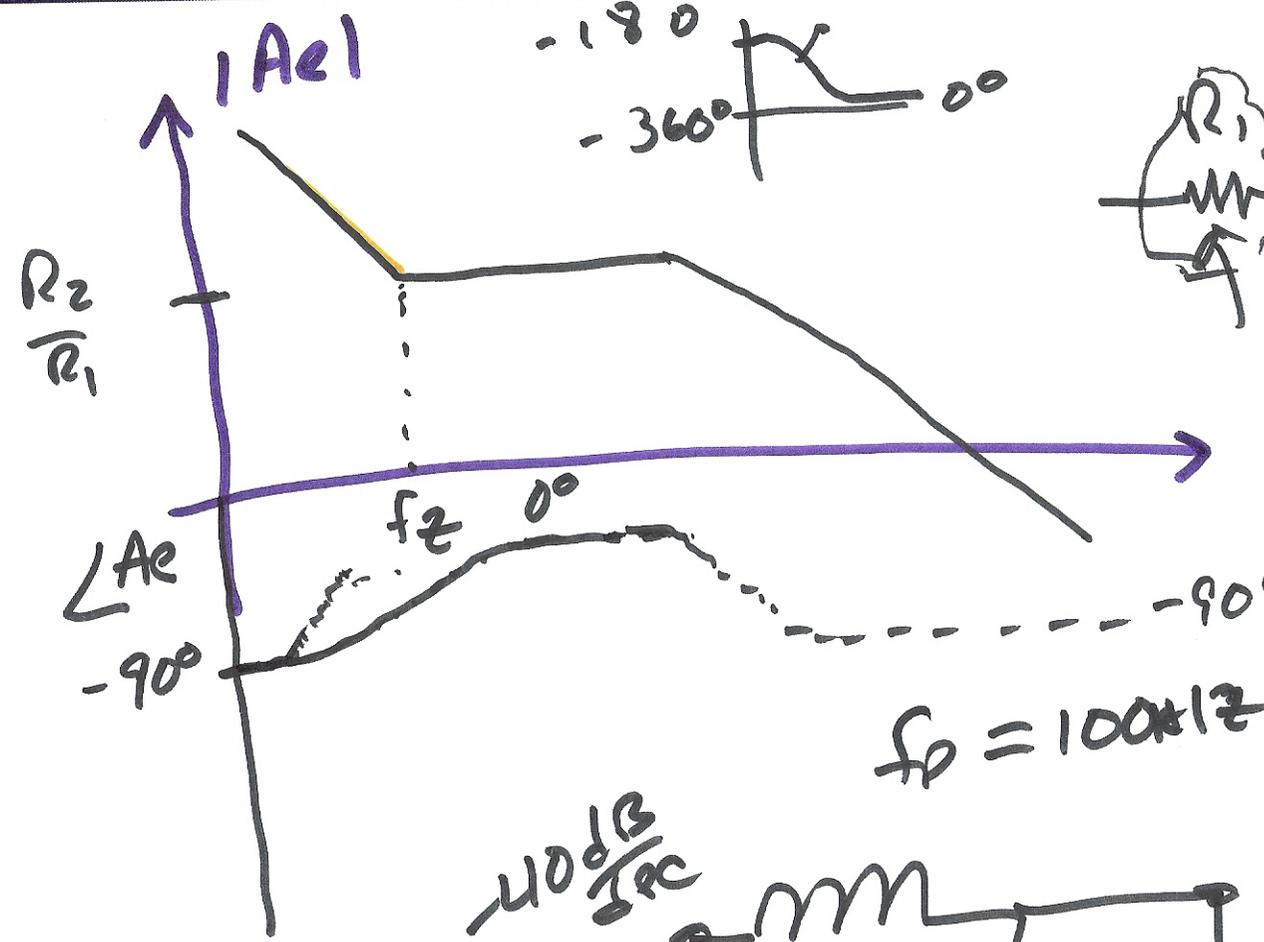
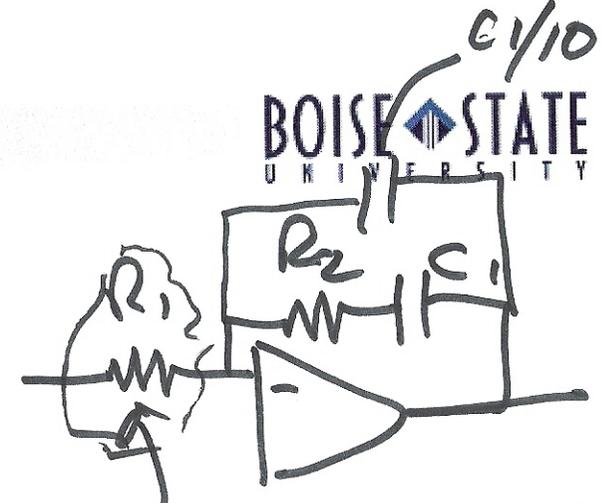
NOV. 17, 2010

Lecture 35

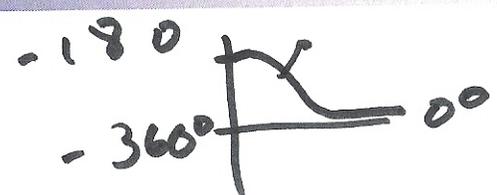


$$\frac{V_{OUT}}{-V_{IN}} = \frac{AOL}{1 + AOL \cdot B}$$

1)



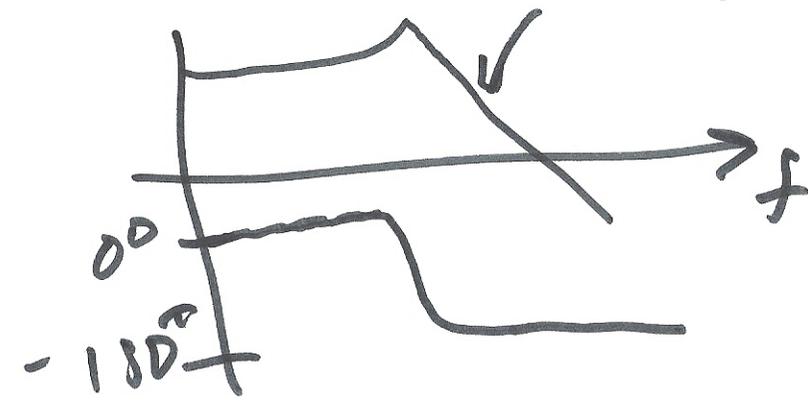
(-270°)



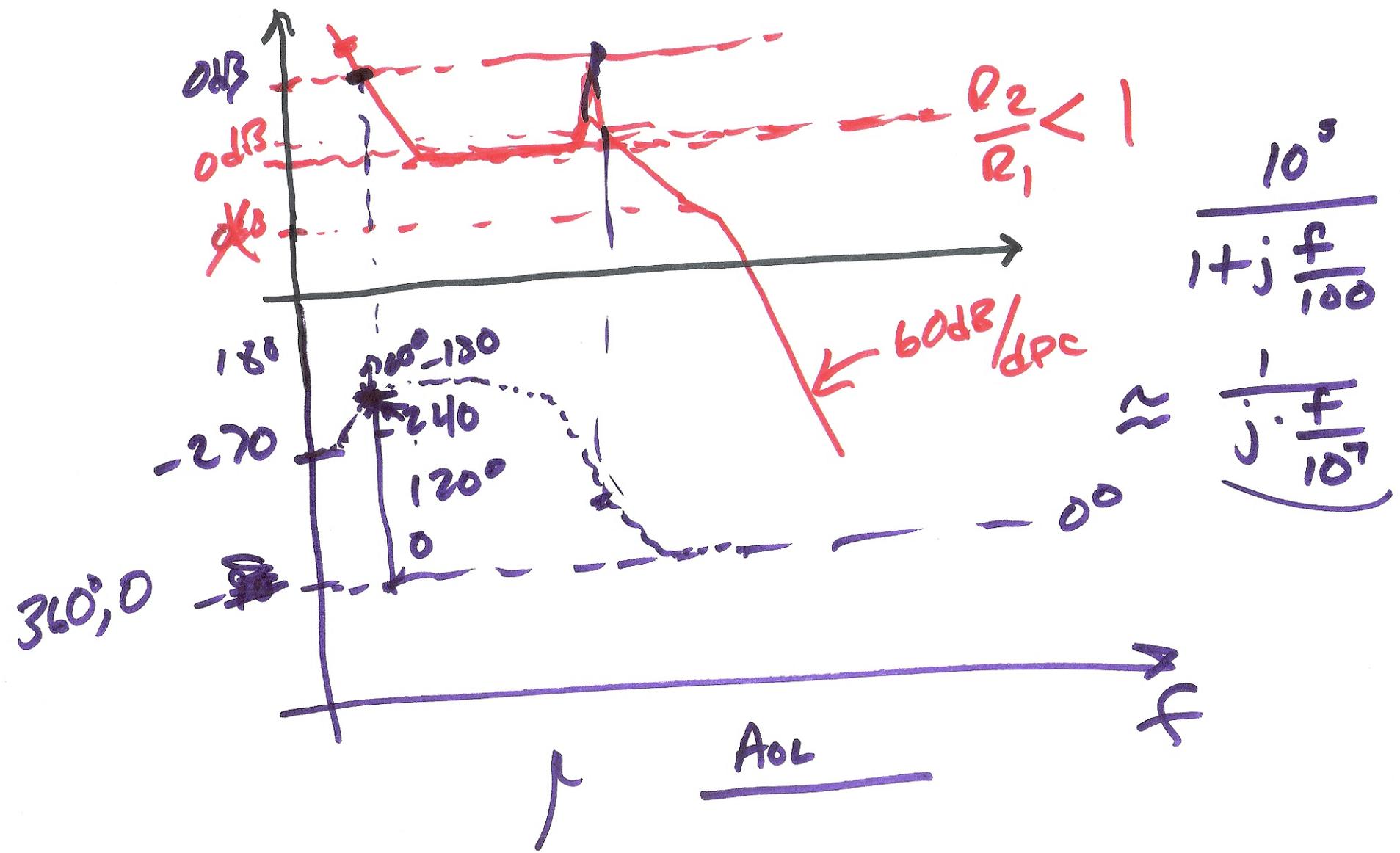
$\angle \frac{1}{j\omega X} = -90^\circ$
 $-6 \text{ dB} \div 2$

$f_p = 100 \text{ kHz}$
 $-12 \text{ dB} \div 4$
 $\text{OCT} \div 2$
 $2 \text{ OCT} \div 4$
 600 kHz

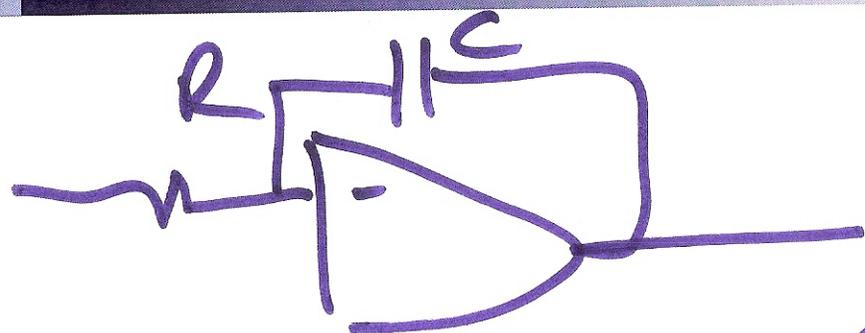
-40 dB/dec



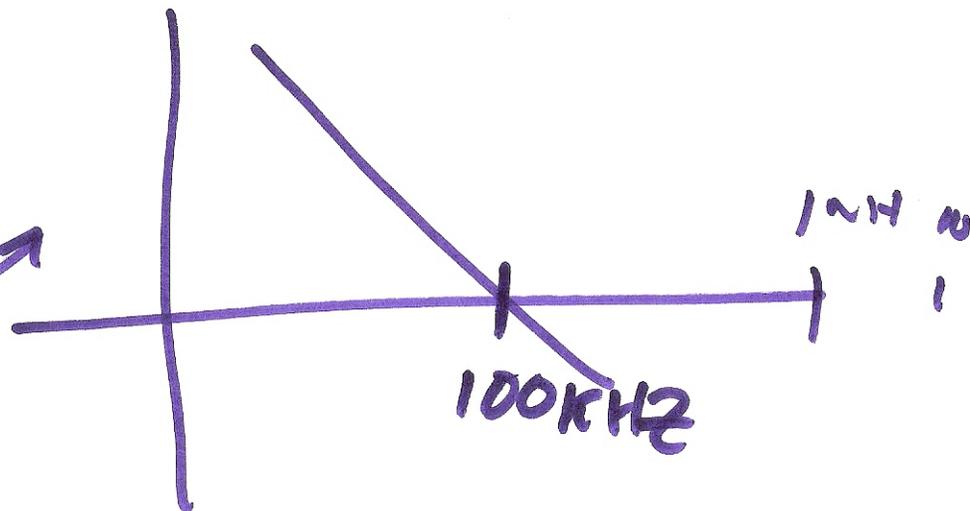
3)



4)



$$\frac{1}{j \cdot f \cdot 10^5}$$



$$\frac{1}{j \cdot f \cdot 10^5}$$

$$\frac{1}{j \cdot f \cdot 10^7}$$

5)