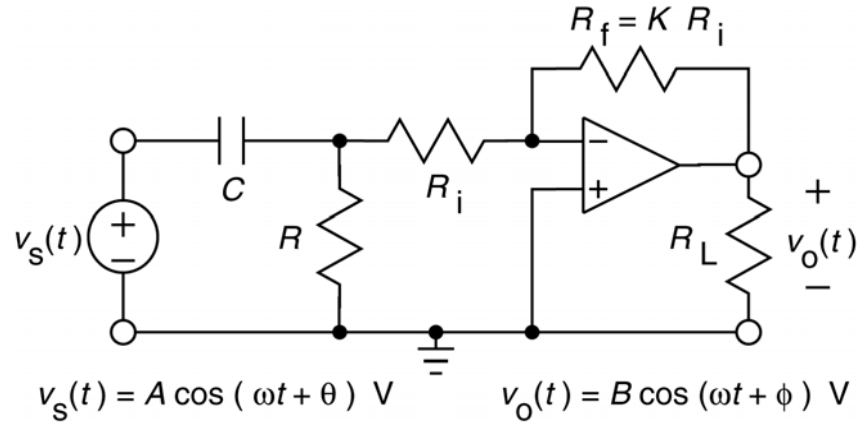


Phase shift

Circuit

Network Function

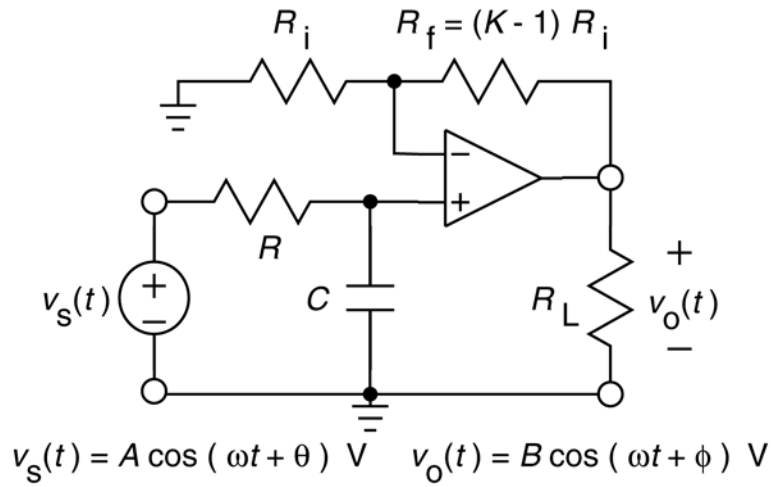
$-180^\circ < \phi - \theta < -90^\circ$



$$\frac{B}{A} \angle(\phi - \theta) = \frac{-K R_p}{1 + j\omega C R_p}$$

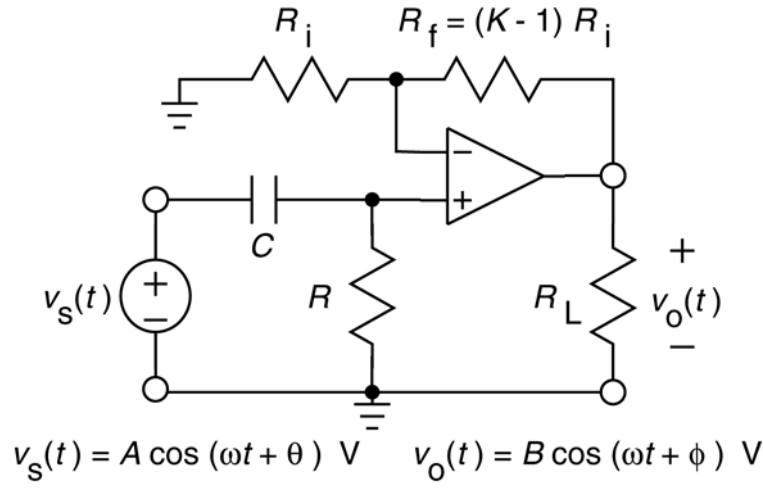
where $R_p = \frac{R_i R}{R_i + R}$

$-90^\circ < \phi - \theta < 0^\circ$



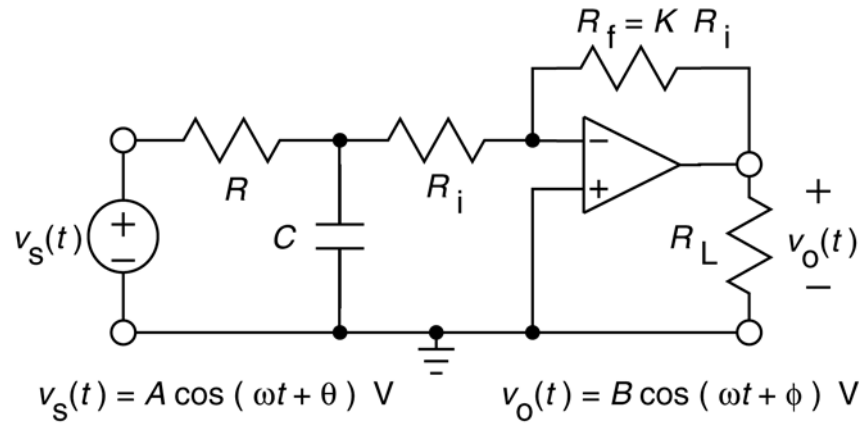
$$\frac{B}{A} \angle(\phi - \theta) = \frac{K}{1 + j\omega C R}$$

$$0^\circ < \phi - \theta < 90^\circ$$



$$\frac{B}{A} \angle(\phi - \theta) = \frac{j\omega CRK}{1 + j\omega CR}$$

$$90^\circ < \phi - \theta < 180^\circ$$



$$\frac{B}{A} \angle(\phi - \theta) = \frac{-K \left(\frac{R_i}{R_i + R} \right)}{1 + j\omega C \left(\frac{R_i R}{R_i + R} \right)}$$