

Chapter 10, Problem 75.

In the op amp circuit of Fig. 10.118, find the closed-loop gain and phase shift of the output voltage with respect to the input voltage if $C_1 = C_2 = 1 \text{ nF}$, $R_1 = R_2 = 100 \text{ k}\Omega$, $R_3 = 20 \text{ k}\Omega$, $R_4 = 40 \text{ k}\Omega$, and $\omega = 2000 \text{ rad/s}$.

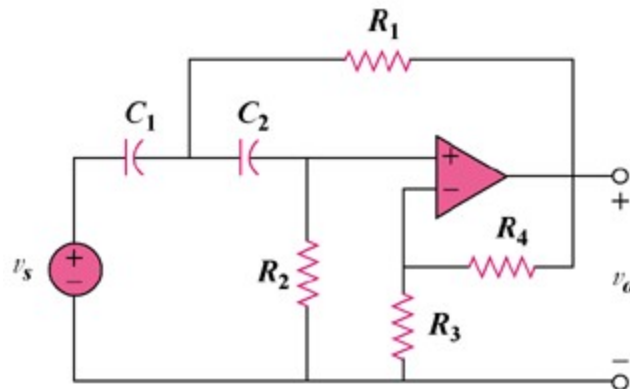


Figure 10.118
For Prob. 10.75.