**Chapter 10, Problem 96.**

Refer to the oscillator in Fig. 10.137.

(a) Show that

$$(\mathbf{V}_2/\mathbf{V}_o) = 1/[3 + j(\omega L/R - R/\omega L)]$$

(b) Determine the oscillation frequency $f_o$.

(c) Obtain the relationship between $R_1$ and $R_2$ in order for oscillation to occur.

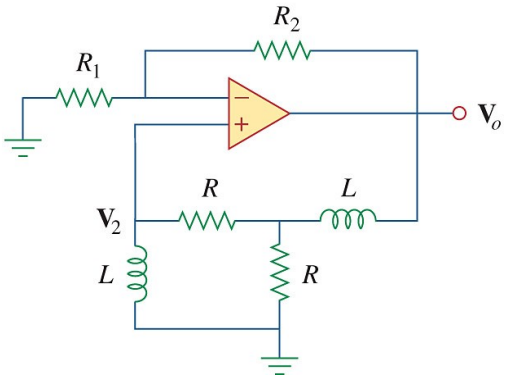


Figure 10.137
For Prob. 10.96.