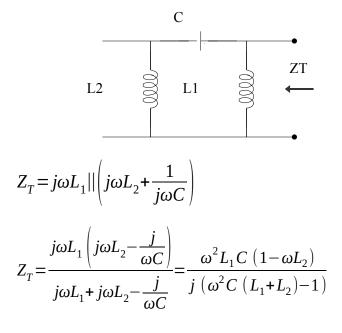
Chapter 10, Solution 95.

First, we find the feedback impedance.



In order for Z_T to be real, the imaginary term must be zero; i.e.

$$\omega_o^2 C (L_1 + L_2) - 1 = 0$$

$$\omega_o = 2\pi f_o = \frac{1}{C (L_1 + L_2)}$$

$$f_o = \frac{1}{2\pi \sqrt{C (L_1 + L_2)}}$$