

2.60 Repeat Problem 2.59 using Module 2.6.

Solution: In Module 2.6, after setting $Z_0 = 75 \Omega$, and $d = 0.6\lambda$, cursor is used to move the load point so that $S = 1.8$ and simultaneously $\theta_r = -60^\circ$. Once that was accomplished, the following values were extracted from the chart:

$$|\Gamma| = 0.286,$$

$$Z_L = 86.492 - j46.706,$$

$$\begin{aligned} Z_{in} &= z(d) Z_0 \\ &= (0.626671 - j0.290041) \times 75 \\ &= (47.0 - j21.75) \Omega. \end{aligned}$$

