

Problem 2.35 Use the Smith chart to find the reflection coefficient corresponding to a load impedance:

(b) $Z_L = (2 - 2j)Z_0$.

Solution: Refer to Fig. P2.35.

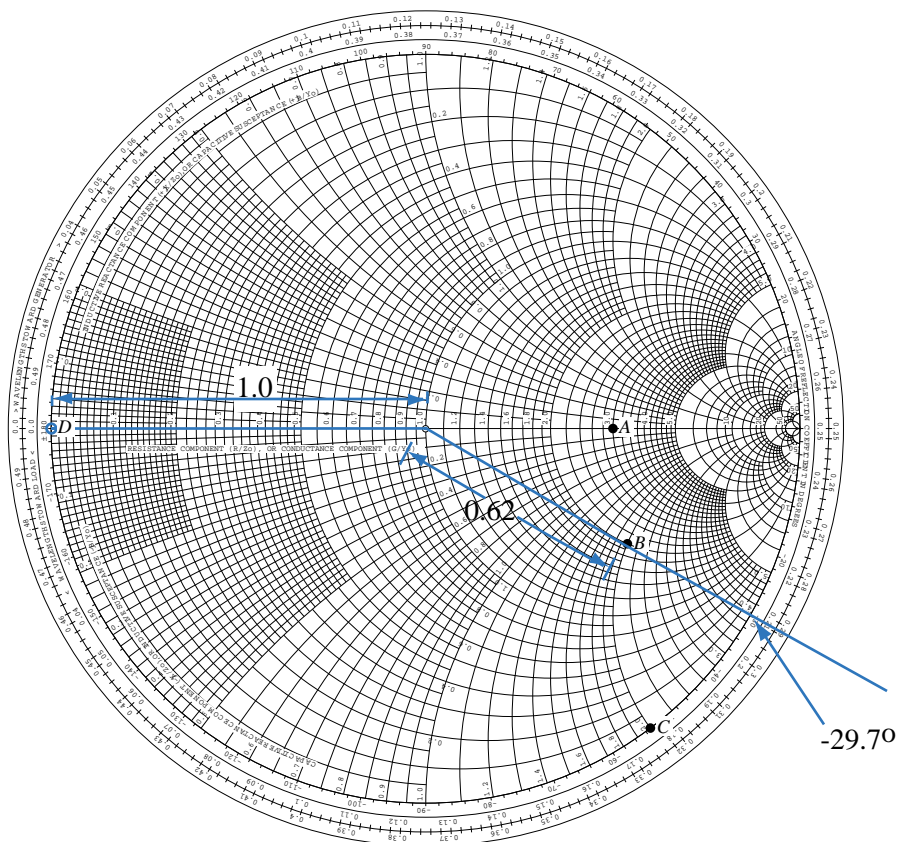


Figure P2.35: Solution of Problem 2.35.

(b) Point B is $z_L = 2 - j2$. $\Gamma = 0.62e^{-29.7^\circ}$