

Problem 2.57 Use the Smith chart to find y_L if $z_L = 1.5 - j0.7$.

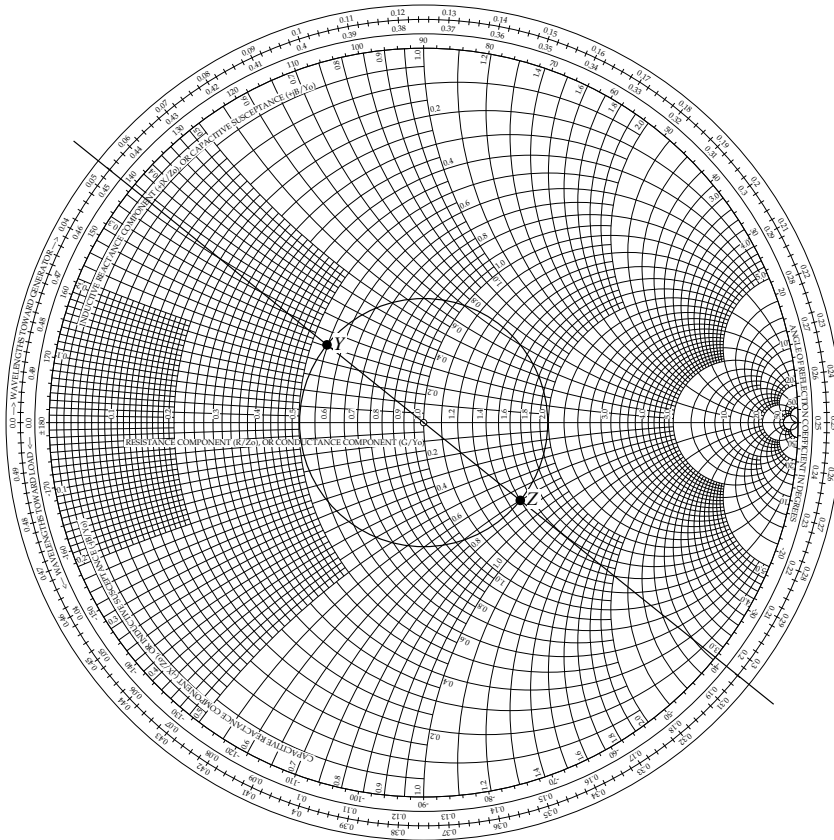


Figure P2.57: Solution of Problem 2.57.

Solution: Refer to Fig. P2.57. The point Z represents $1.5 - j0.7$. The reciprocal of point Z is at point Y, which is at $0.55 + j0.26$.