

Exercise 4: Solve the phase problem for one F using two F_H 's

$$|F_P| = 29.0$$

$$|F_{PH1}| = 26.0$$

$$|F_{PH2}| = 32.0$$

$$F_{H1} = 7.8 \quad \alpha_{H1} = 155^\circ$$

$$F_{H2} = 11.0 \quad \alpha_{H1} = 9^\circ$$

Draw three circles with the three radii (scale doesn't matter)

Offset the PH1 circle from the P circle by $-F_{H1}$

Offset the PH2 circle from the P circle by $-F_{H2}$

Find the intersection of the circles.