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Cool! I'am really happy

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so many fake sites. this is the first one which worked! Many thanks

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Determine the magnitude of the resultant force  $F_R = F_1 + F_2$  and its direction measured counter-clockwise from the positive  $x$  axis.

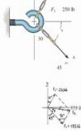
SOLUTION

$$F_R = 2(2250) + 0750^2 = 32260770 \text{ sin } 70^\circ + 3912 = 3912 \text{ N}$$

$$\text{sin } 70^\circ = \frac{3912}{3912} \text{ sin } \alpha$$

$$\alpha = 70.00^\circ$$

$$\theta = 30.0^\circ - 47^\circ = 37.50^\circ = 38^\circ$$



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