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$$\frac{2/71}{100} = 250 \left(\sin 10^{\circ} i + \cos 10^{\circ} j \right)$$

$$= 43.4 i + 246 j N$$

$$= 250 \left[\cos 10^{\circ} (0.235) + \sin 10^{\circ} (0.050) \right]$$

$$= 60.0 \text{ N·m CW}$$

