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Determine the linear speed of a person riding a unicycle of radius

0.97m that is spinning at $2.0 \frac{\text{rev}}{\text{s}}$.

$$v = r\omega$$

$$\omega = \frac{2.0 \text{ rev}}{\text{s}} \times \frac{2\pi \text{ rad}}{1 \text{ rev}} = 12.6 \frac{\text{rad}}{\text{s}}$$

$$v = 0.97 \text{ m} \left(12.6 \frac{\text{rad}}{\text{s}} \right)$$

$$= \boxed{12.2 \text{ m/s}}$$