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Padma  
Kortepati

$$\frac{1}{2}d_1x_1^2 = \frac{1}{2}d_2x_2^2$$

$$d_1x_1^2 = d_2x_2^2$$

$$\frac{d_1x_1^2}{d_2} = x_2^2$$

$$x_2 = \sqrt{\frac{d_1x_1^2}{d_2}}$$

$$x_2 = \sqrt{\frac{(0.011)(2.2)^2}{0.27}}$$

$$x_2 = 0.444\text{m}$$

or

$$44.4\text{cm}$$

$$27\text{cm} = 0.27\text{m}$$

$$1.1\text{cm} = 0.011\text{m}$$