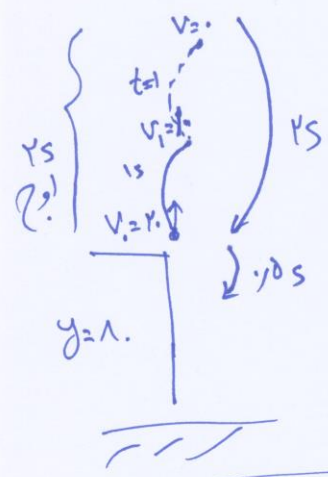


دسته علی بن بابور

تجزیه نظام قدیم



۲.۶

روش اول

$$v = gt + v_0 = -1.0 \times 1.05 + 2.0 = -1.05$$

۲.۷

روش دوم

$$v = gt + v_0 = -1.0 \times 1.05 + 2.0 = -1.05$$

$$\frac{1}{p} - \frac{1}{12} = -\frac{1}{f} = \frac{1}{p+24} \rightarrow \frac{1}{12} \rightarrow p = 24$$

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$$\rightarrow \frac{1}{24} - \frac{1}{12} = -\frac{1}{f} \rightarrow f = 24 \text{ cm}$$

$$I = \frac{\lambda D}{2a} = \frac{c}{f} \times \frac{D}{2a} \rightarrow \frac{I_2}{I_1} = \frac{f_1}{f_2} = \frac{2}{5} = \frac{12}{1.5} \rightarrow \uparrow 2$$

۲.۹