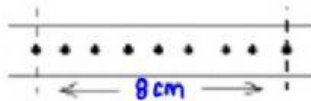


Latihan 2.1(b): Analisis corak pita detik dan carta pita detik

(1)



Berdasarkan keratan pita detik di atas tentukan

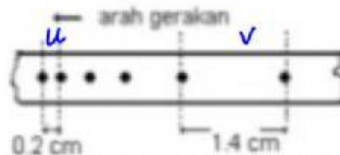
- (a) Jumlah masa
(b) Halaju purata.

Penyelesaian:

$$a) \text{Jumlah masa} = \text{detik} \times \text{S} \\ = \text{S}$$

$$b) \text{halaju purata} = \frac{\text{Jumlah Jarak}}{\text{Jumlah masa}} \\ = \frac{\text{cm}}{\text{S}} = \text{cm s}^{-1}$$

(2)



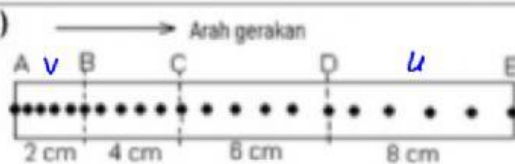
Berdasarkan keratan pita detik di atas tentukan nilai pecutan.

Penyelesaian:

$$u = \frac{\text{cm}}{\text{S}} \quad v = \frac{\text{cm}}{\text{S}} \quad t = (5-1) \text{ S}$$

$$a = \frac{v-u}{t} = \frac{-}{\text{S}} = \text{ms}^{-1}$$

(3)



Tentukan nilai pecutan.

Penyelesaian:

$$u = \frac{\text{cm}}{\text{S}} \quad v = \frac{\text{cm}}{\text{S}} \quad t = (4-1) \text{ S}$$

$$a = \frac{-}{\text{S}} = \text{ms}^{-2}$$