

1.3 Uniform and non-uniform Motion

Uniform motion: If a body travels an equal distance in equal intervals of time in the same direction.

$$d_1 = d_2$$

D is distance

Non-uniform motion: If a body travels Unequal distance in equal intervals of time.

$$d_1 \neq d_2$$

D is the distance

To find the speed in non-uniform motion. We find the average speed:

$$\text{Average speed} = \frac{\text{Total Distance}}{\text{Elapsed Time}}$$