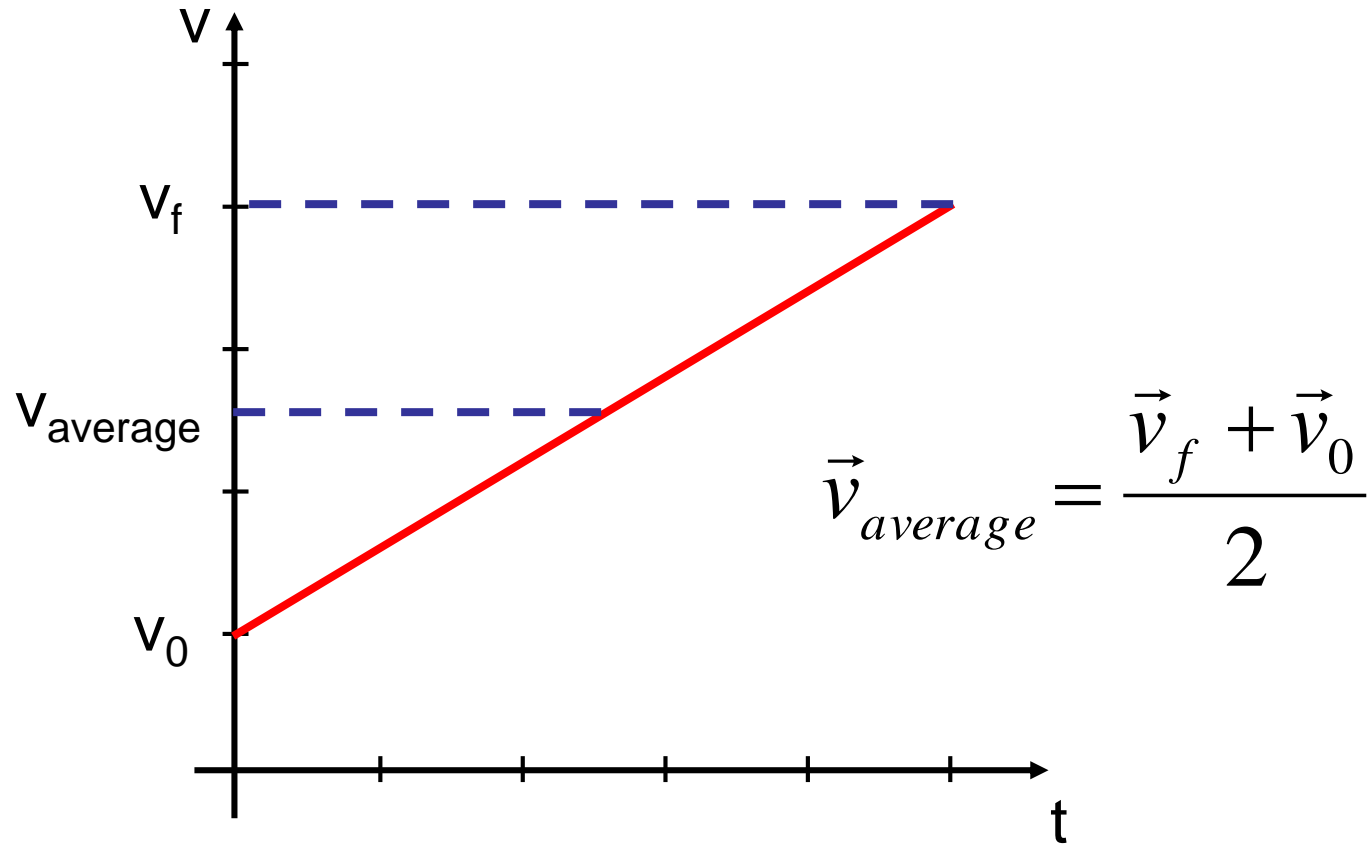
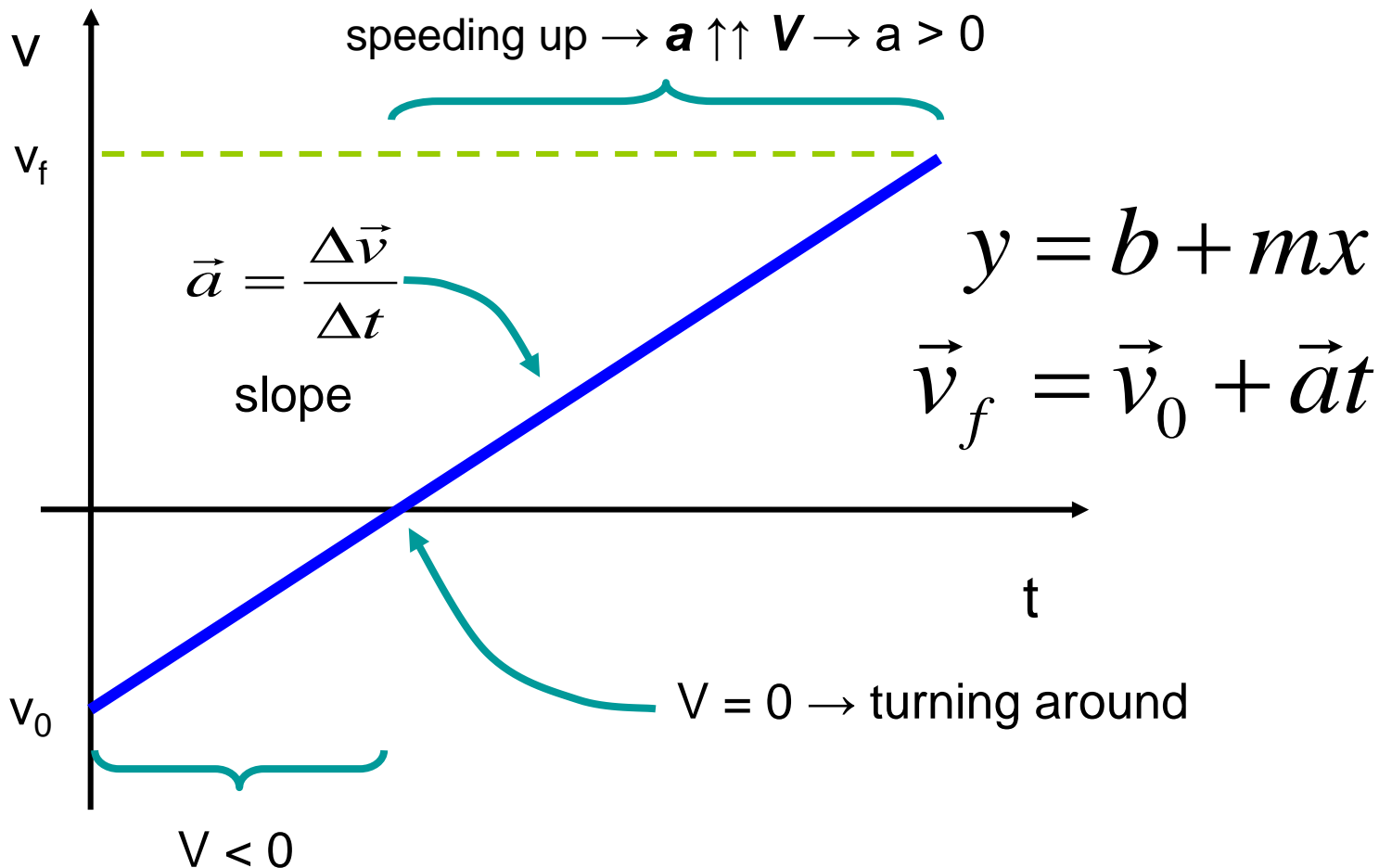


Average Velocity



$$V > 0$$

Moving away from $V = 0 \rightarrow$ speeding up

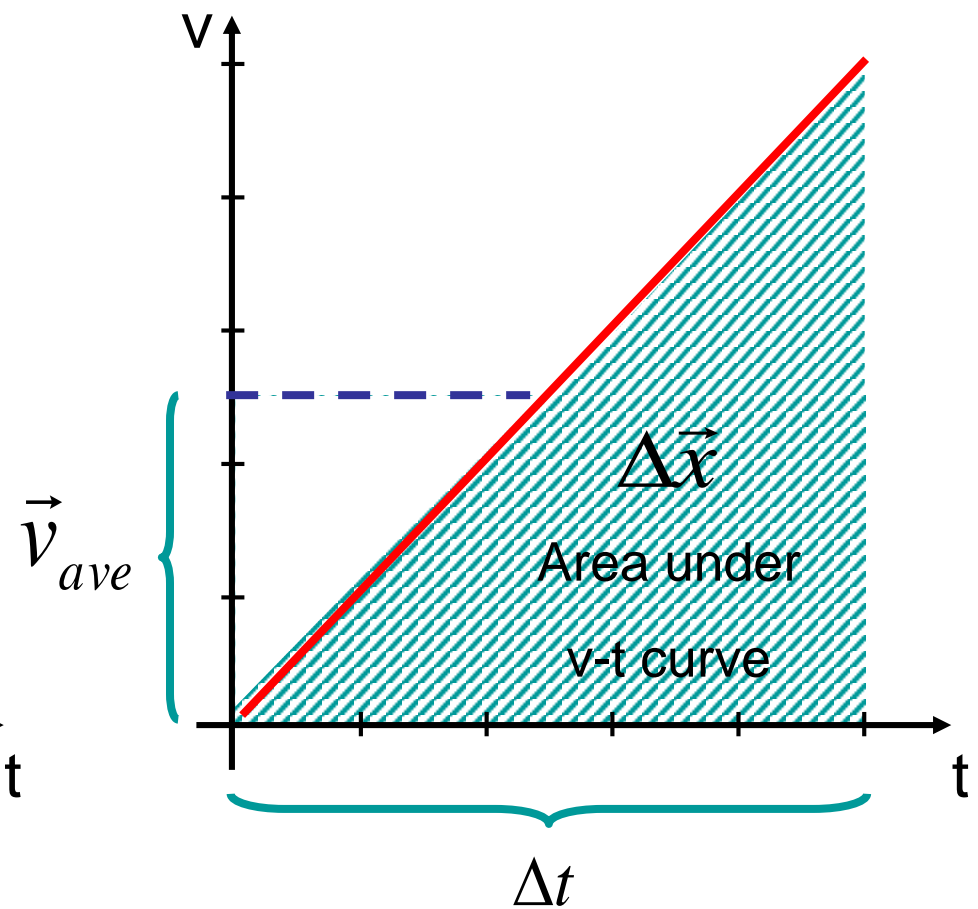
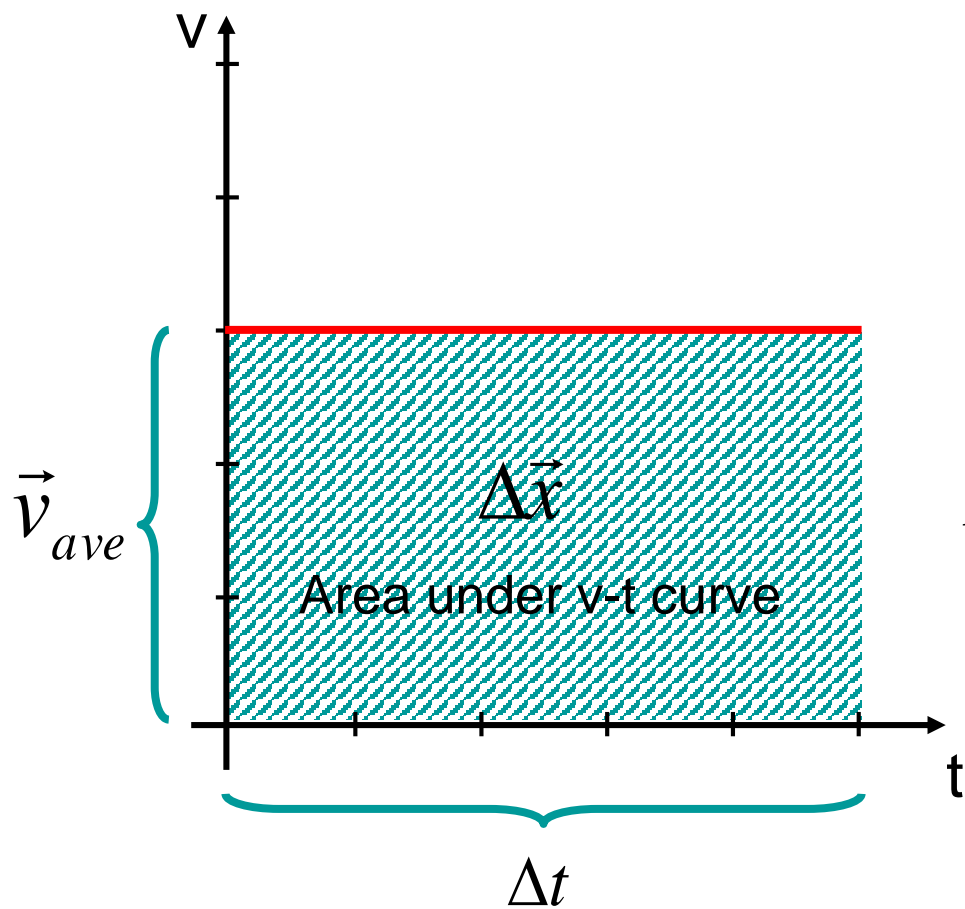


Moving to $V = 0 \rightarrow$ slowing

slowing $\rightarrow \mathbf{a} \uparrow \downarrow \mathbf{V} \rightarrow \mathbf{a} > 0$

$$\vec{v}_{ave} = \frac{\Delta \vec{x}}{\Delta t}$$

$$\Delta \vec{x} = \vec{v}_{ave} \cdot \Delta t$$



Note!

- We say “area under curve”
- We mean “area between curve and horizontal axis”
- Areas above axis are positive
- Areas below axis are negative

x-t from v-t graphs

