

M O T I O N

G R A P H S

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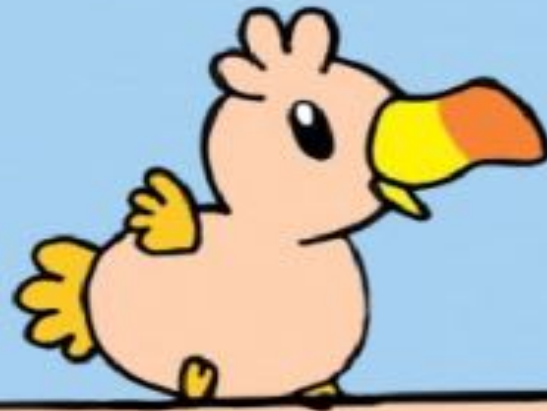
Dodo wants some food, but the fruit tree is all the way up the hill. He can't fly so he **walked** up the hill.

Since he's walking his slope is not very high. The slower Dodo goes the less high up it is.



Dodo got tired after walking for so long so he decided to rest
Since Dodo is at rest his slope is flat.

Distance (feet)



slope

Time (seconds)

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Once Dodo felt rested he **ran** up the hill.
Since Dodo is running his slope is very high.
The faster Dodo goes the more high up it is.

Distance (feet)



Slope

Time (seconds)

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Dodo really wanted his fruit so he decided to change his speed. Changing your speed is called **acceleration**.

Since Dodo is making himself run faster his slope is curving upward.

speed equals velocity, but velocity is speed with a direction.

Distance (feet)

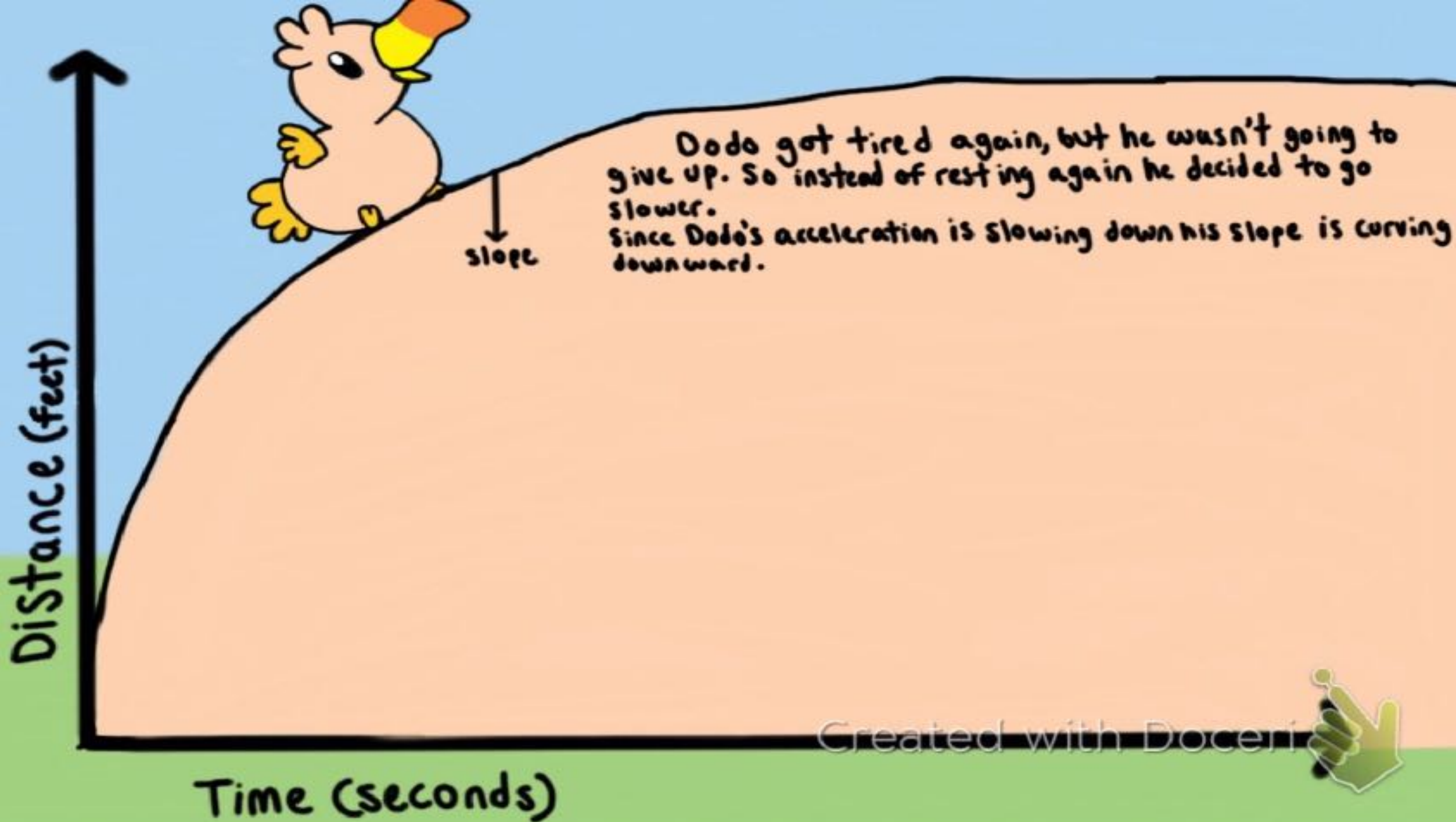


→ slope

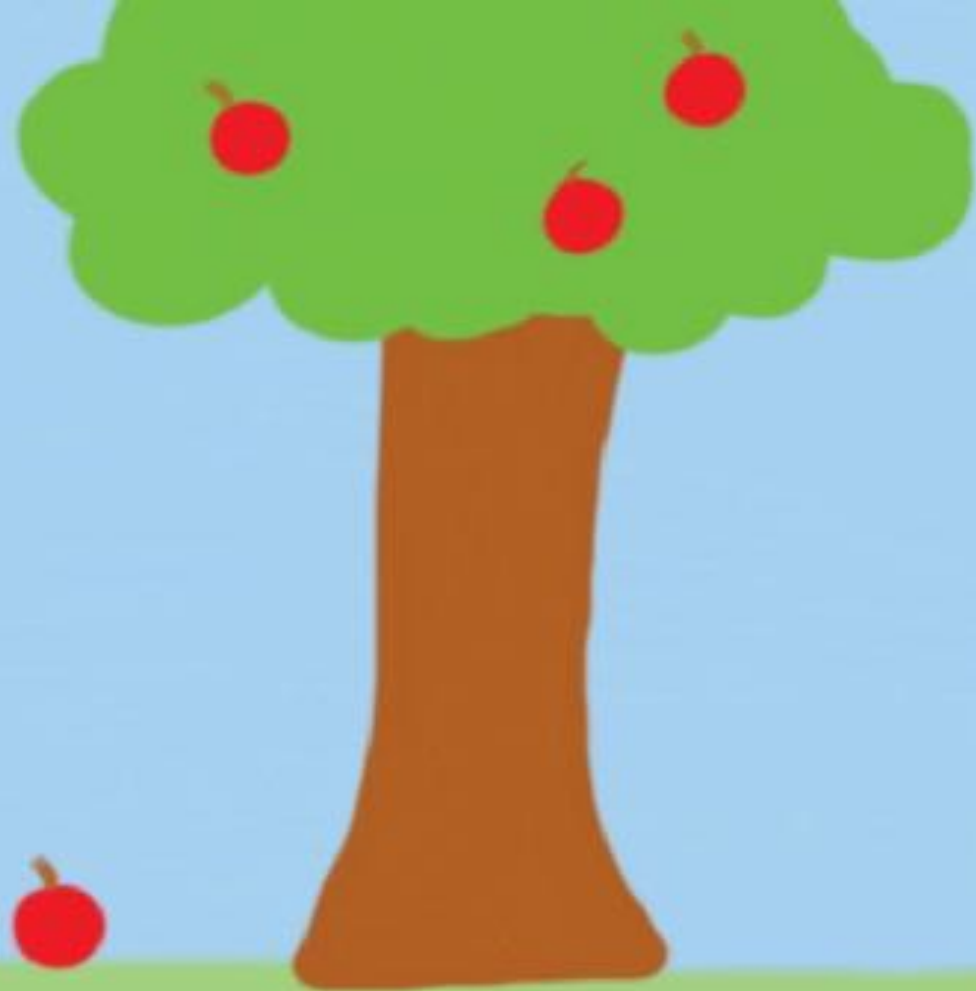
Time (seconds)

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Dodo finally made it to the fruit tree.



distance (feet)

Time (seconds)

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