

2021 Ph H1 Q2

Section: Our Dynamic Universe

Topic: Motion, Equations and Graphs

Question Summary

A **v–t graph** of an object is shown.

Which of the five **a–t graphs** correctly represents its acceleration?



Final Answer:

E

Working

- Acceleration is the gradient of the v–t graph.
 - The graph's slope changes in a way that matches option E.
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Quick Tips

- Always look for changes in gradient, not the height of the v–t graph.
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