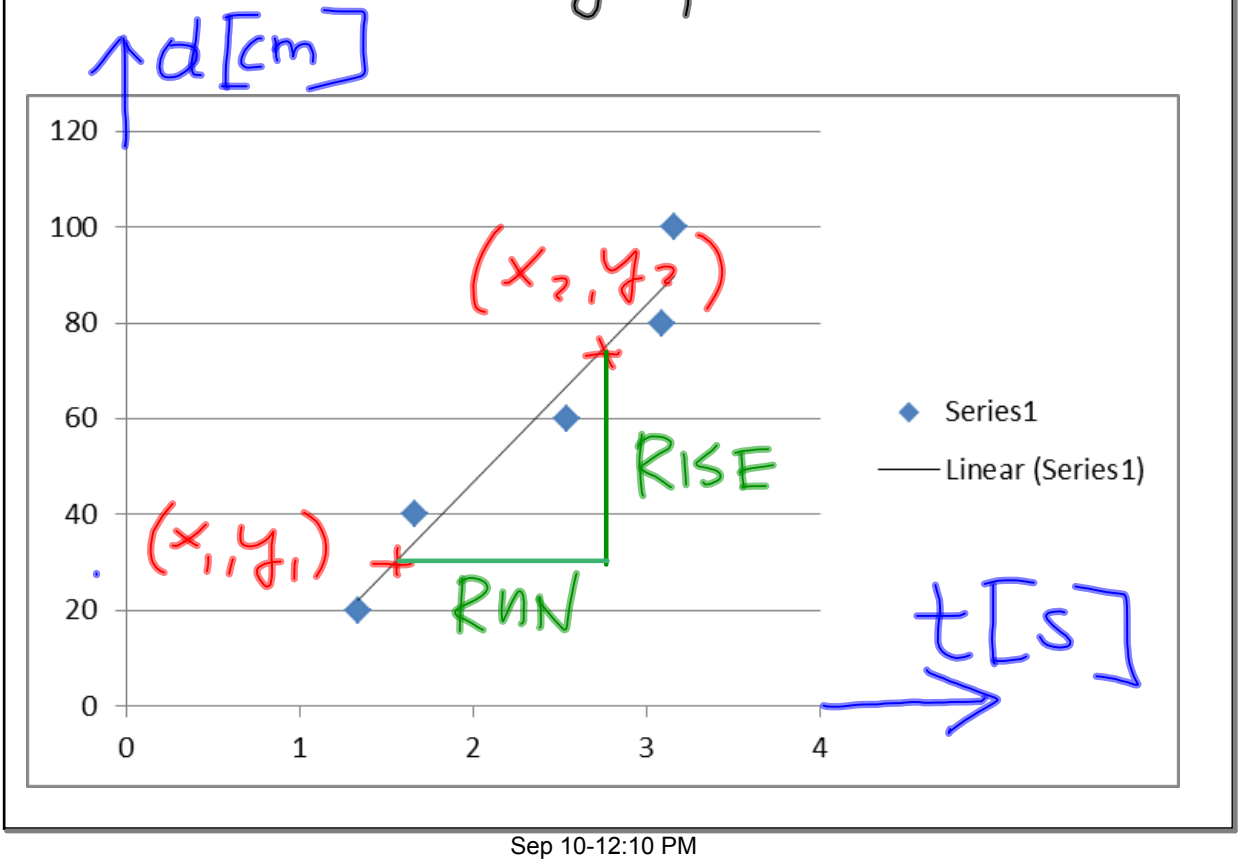
Table A – Steady speed



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$$SLOPE = \frac{RISE}{RUN}$$

$$SLOPE = \frac{y_2 - y_1}{x_2 - x_1}$$

$$SLOPE = \left[\frac{cm}{s}\right]$$

SLOPE OF d-t GRAPH REPRESENTS SPEED.

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Air Glider Lab - discussion.

CONST. SPEED

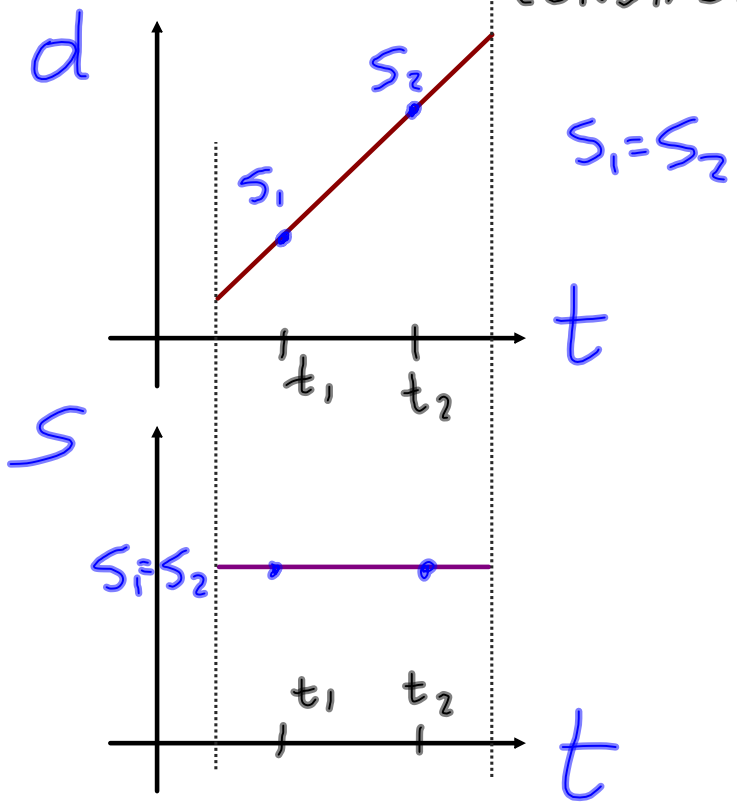

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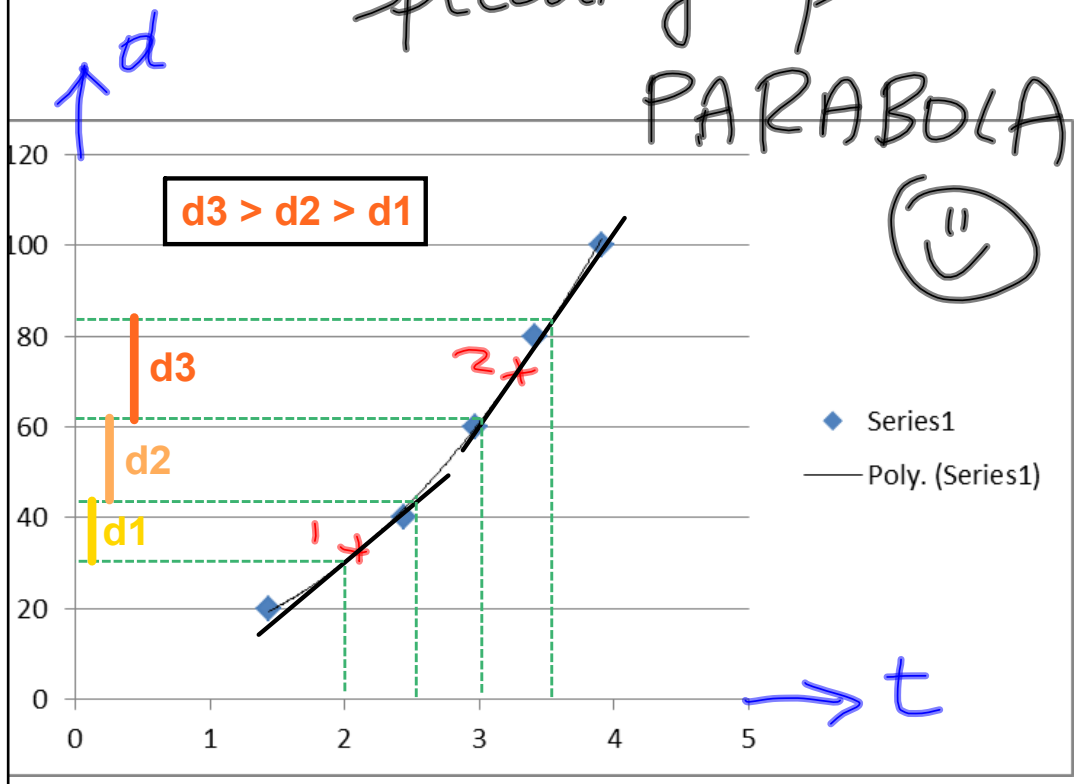
Table B

Speeding up PARABOLA



Sep 10-12:11 PM

Air Glider Lab - discussion.

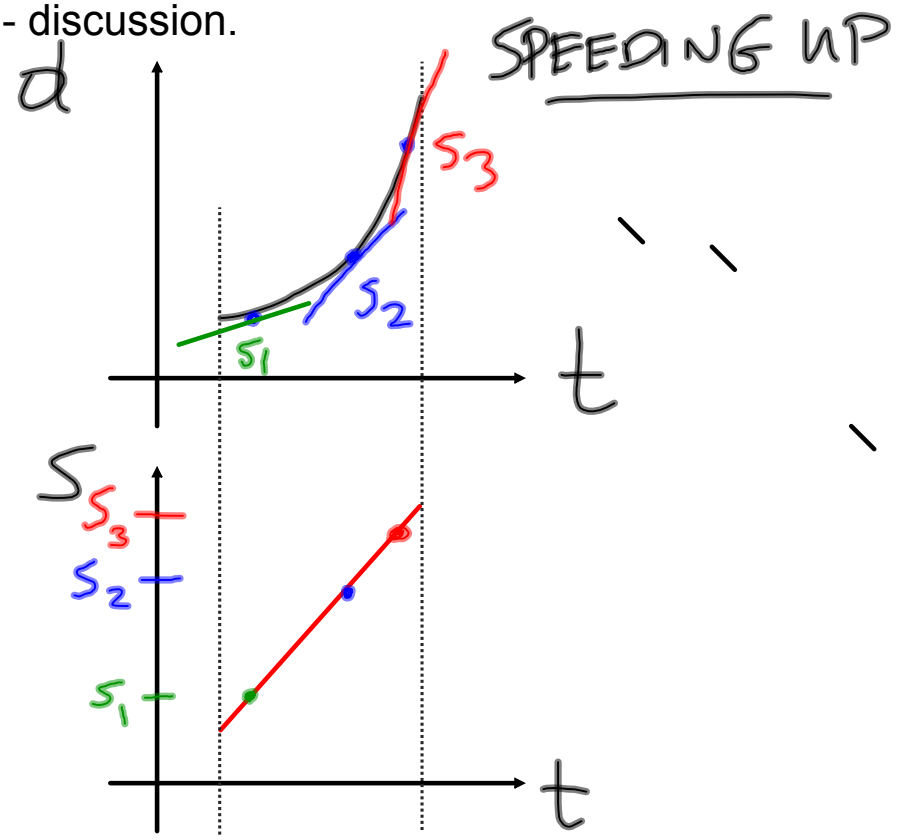


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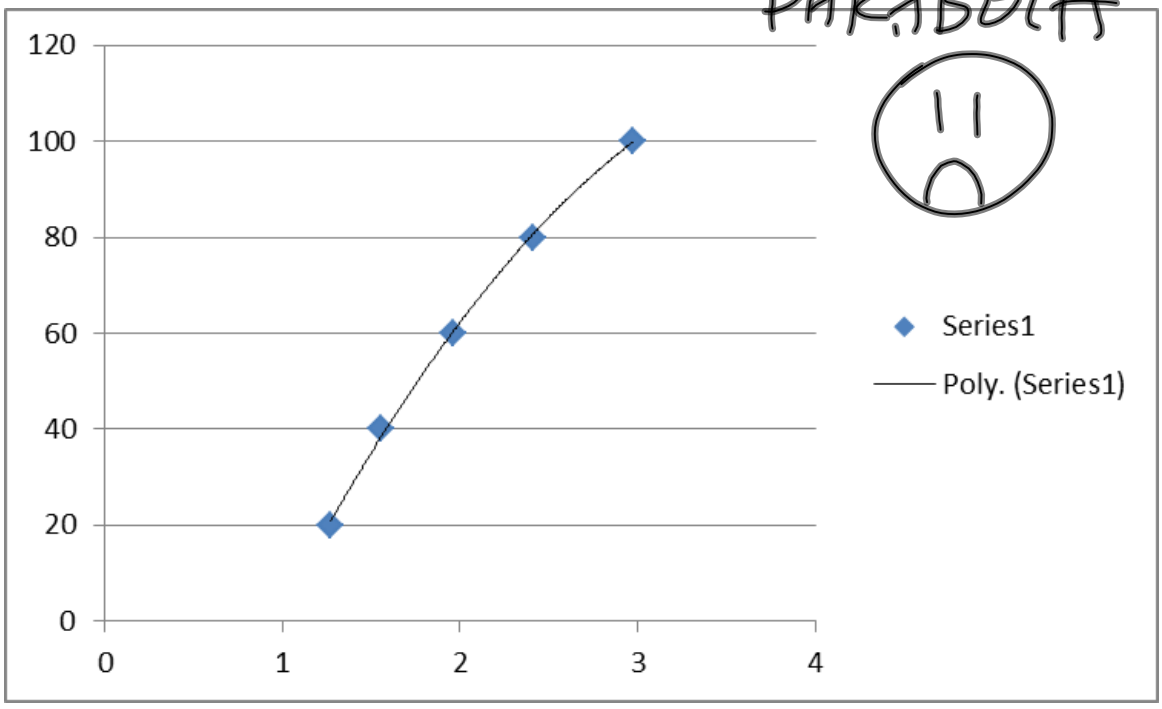
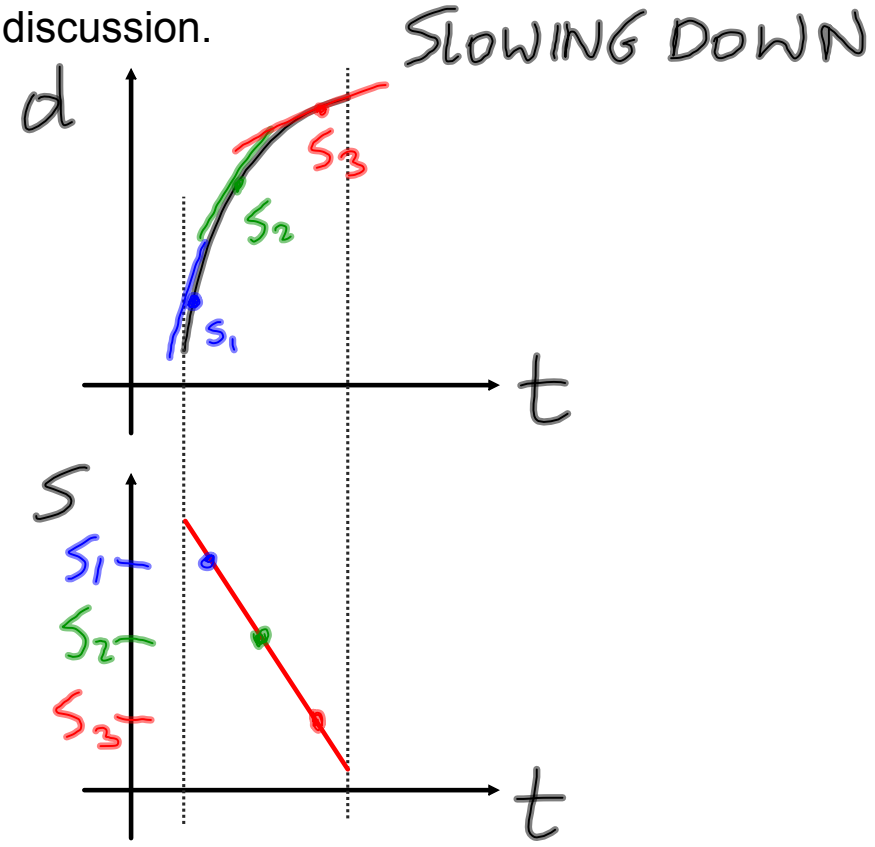
Table C Slowing down PARABOLA



Sep 10-12:11 PM

Air Glider Lab - discussion.



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Dot diagrams (motion diagrams) - different way to represent motion. Dots mark the position at equal time intervals.

1. Constant velocity - dots are equally spaced.
2. Speeding up - dots are farther apart.
3. Slowing down - dots are closer.

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(1)

1-4 CONST. SPEED

4-6 SPEEDING UP

(2)

1-6 AT REST (NOT MOVING)

6-9 SPEEDING UP

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