

The Inclined Plane Extra Credit Data Table

Distance = 160 cm

| Trial | Angle (°) | Trial 1 (s) | Trial 2 (s) | $t_{ave.}$ (s) | Acceleration (cm/s^2) |
|-------|----------------|------------------|------------------|---------------------|------------------------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |

Formulas:

$$t_{ave.} = (Trial\ 1 + Trial\ 2) / 2$$

$$a = (2 * d) / t_{ave.}^2$$

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