

Atwood's Machine

- * Preliminary Questions
- Data Observations
 - Sample graph ($v-t$, with slope) (ID. the trial)
 - data table
- Analysis
 1. } show a sample calc.
 2. }
 3. GA: plot a vs ΔM
State proportionality
 4. GA: plot a vs m_T
State proportionality
 5. Combine proportionalities and find k
Write the specific equation
(use excel to find k)
** show a sample calc and insert table here.*
- Extensions
 1. Derive an expression for a and compare to your answer in #5
 2. Use the expression (#1) to calculate the theoretical acceleration for each trial and calculate % error for each trial (can all be done in excel)
(sample calc + insert table here)
 3. Find unknown mass.