

ECET 337
DC Motor Model Homework

1. Access the Input Data Excel file in this homework's folder on this Brightspace HW module.
 - a. Plot the Static test (RPM versus V).
 - b. Add the linear Trend Line and have the equation printed on the graph. Include this plot in your submission.
 - c. Enter the gain for the motor below. Be sure to get the units (RPM/V) right.

Gain = $m = \underline{\hspace{2cm}}$ RPM / V

- d. Plot the Step test (RPM versus seconds)
 - e. Identify τ on the printed data, and write it below.

$\tau = \underline{\hspace{2cm}}$