

Assignment #7:

Assigned Lecture #18

Due Lecture #20

Using the data file “Assign7.txt” determine the maximum torque angle (MTA) and plot the self-polarizing torque and the phase current as a function of time. The plot should clearly show the direction of current.

The self polarizing torque equation is:

$$T_{32} = |I| \cdot |V| \cdot \cos(\angle V - (\angle I + MTA))$$