

Team Meeting-9

Meeting Minute

04/23/2019

02:30 PM

Type of Meeting: 9th team meeting for senior design project

Meeting Facilitator: Xin Han

Notetaker: Manasa Pothamsetty

Invitees: Dr. Herbert Hess, Zhengqi Li

Location: Power Lab (GJL -102)

- Design review feedback: need to be more specific on goals for fall semester on slide-4 and more defined long-term goals.
- Do a simulation using parameters derived from tests done and draw torque speed curve.

End of semester requirements:

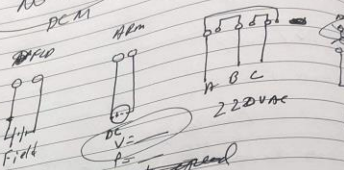
- Finish and update wiki page.
- Log book submission on May 2nd.
- Fill citizen ship form and self-evaluation forms.

End goals and next semester:

- Form a model and put together rotor side converter with hardware. (Decide on how much can be done).
- Have presentation ready to go for fall semester.
- Try to load the DFIG.
- Get the work done from Mr. Hain.
- No meeting on Tuesday 04/30/2019

Below are pictures from Hess notebook about the circuit connections and test results.

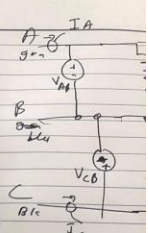
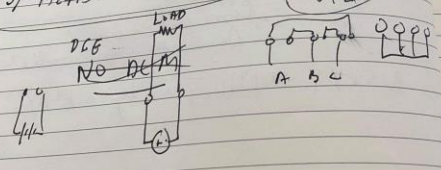
5 stages manual stuff
 No meeting next Tuesday



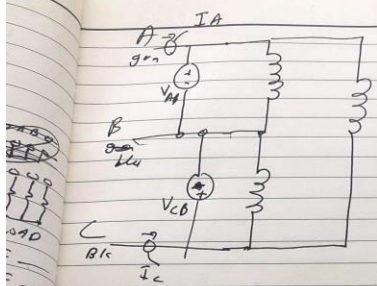
DC motor up to speed

- 1) DC motor up to speed
- 2) Apply DFC with load

3) MEASURE I_A , W_m



V	W
116	1580
120	1719
117.5	1593
118	157
117.5	15
117.5	1
116.9	



V	W	I_1	I_2	P_1	P_2
116	1400	10.85	10.5	1.26	0.70
120	1719	3.0	3.0	0.35	0.15
117.5	1593	6.3	6.3	0.74	0.45
118	1577	6.76	6.76	0.79	0.47
117.5	1543	7.57	7.54	0.88	0.53
117.5	1466	9.23	9.16	1.07	0.63
116.9	1284	12.35	12.35	1.43	0.77

1160V
 3.50A
 6.8V
 1.2A
 6.8V
 1.17A
 6.8V
 2.0A
 6.20V
 2.30A
 5.34V
 4.44A