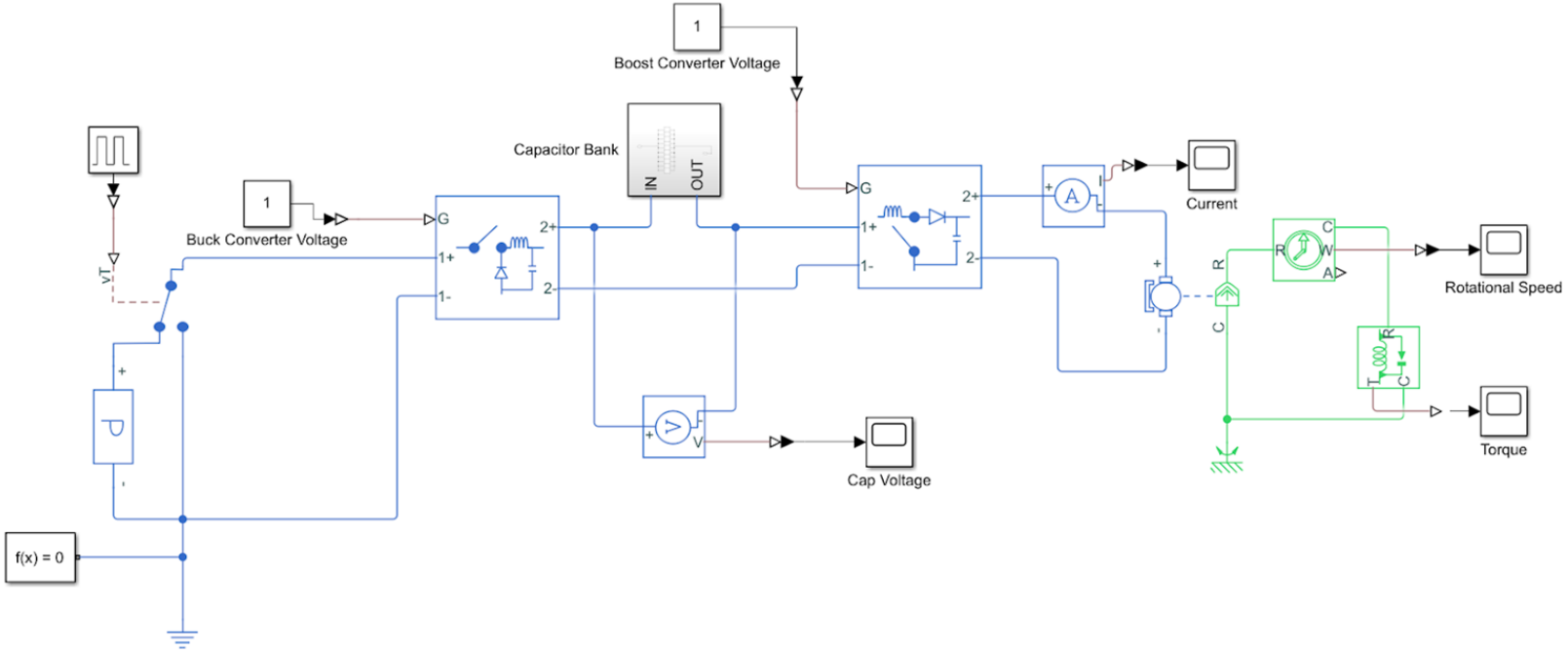
SuperCap 1/24

Simulink Group

Simulink SuperCap Block Diagram



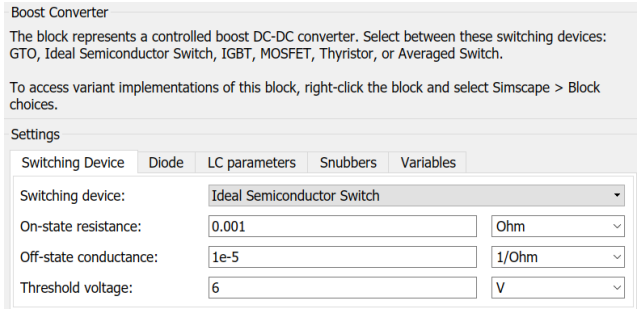
Simulink SuperCap Block Notes

Goals 1 for model:

Validate boost converter

- Simulate multi and single motor load from discharging full supercap through boost, and without boost

Values needed to validate boost converter model:



- Converter Specs - Discord
- Hong Kong Tech MOSFET
  https://bbs.robomaster.com/forum.php?mod=viewthread&tid=7007
  https://bbs.robomaster.com/forum.php?mod=viewthread&tid=8829

Simulink SuperCap Block Notes

Goals 2 for model:

Balance Circuit Simulations

Simulate balancing

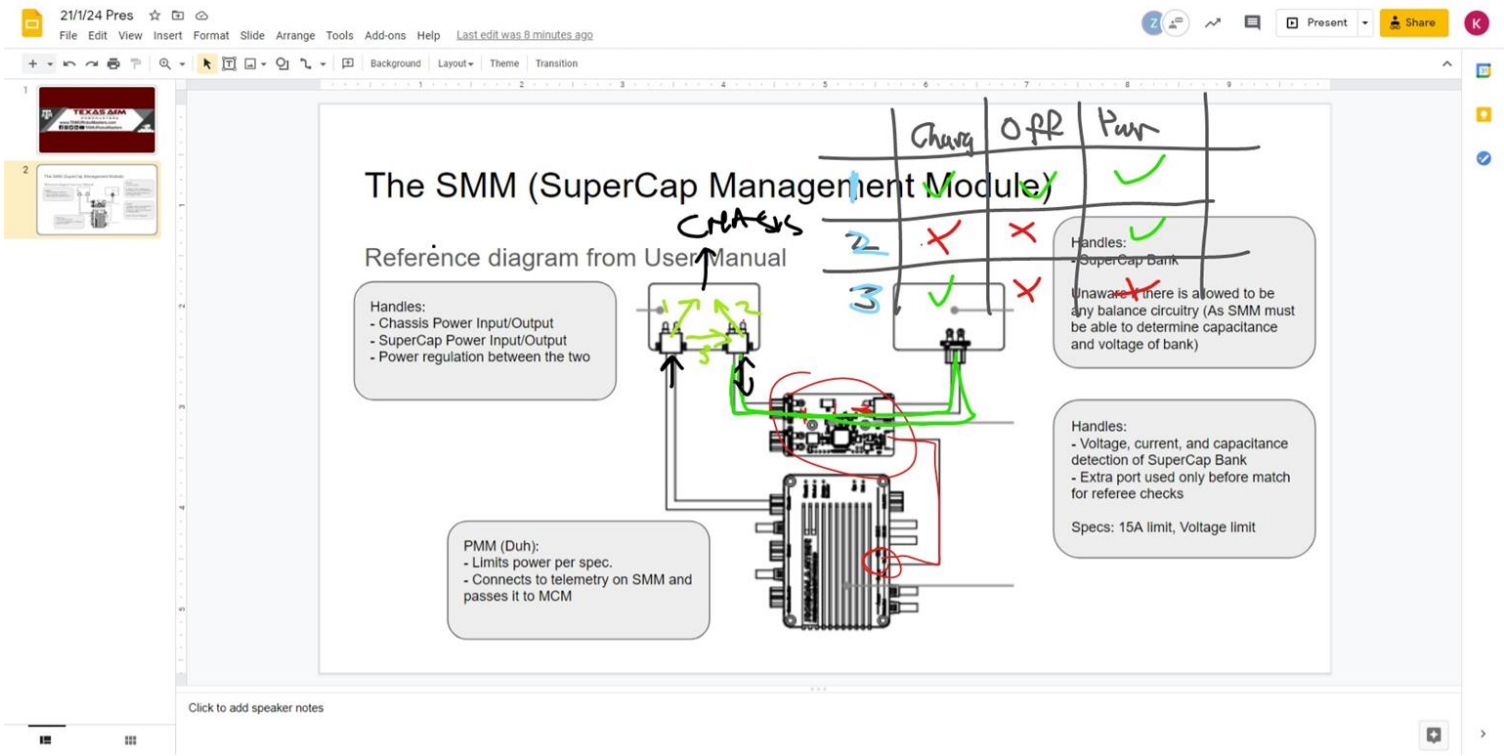
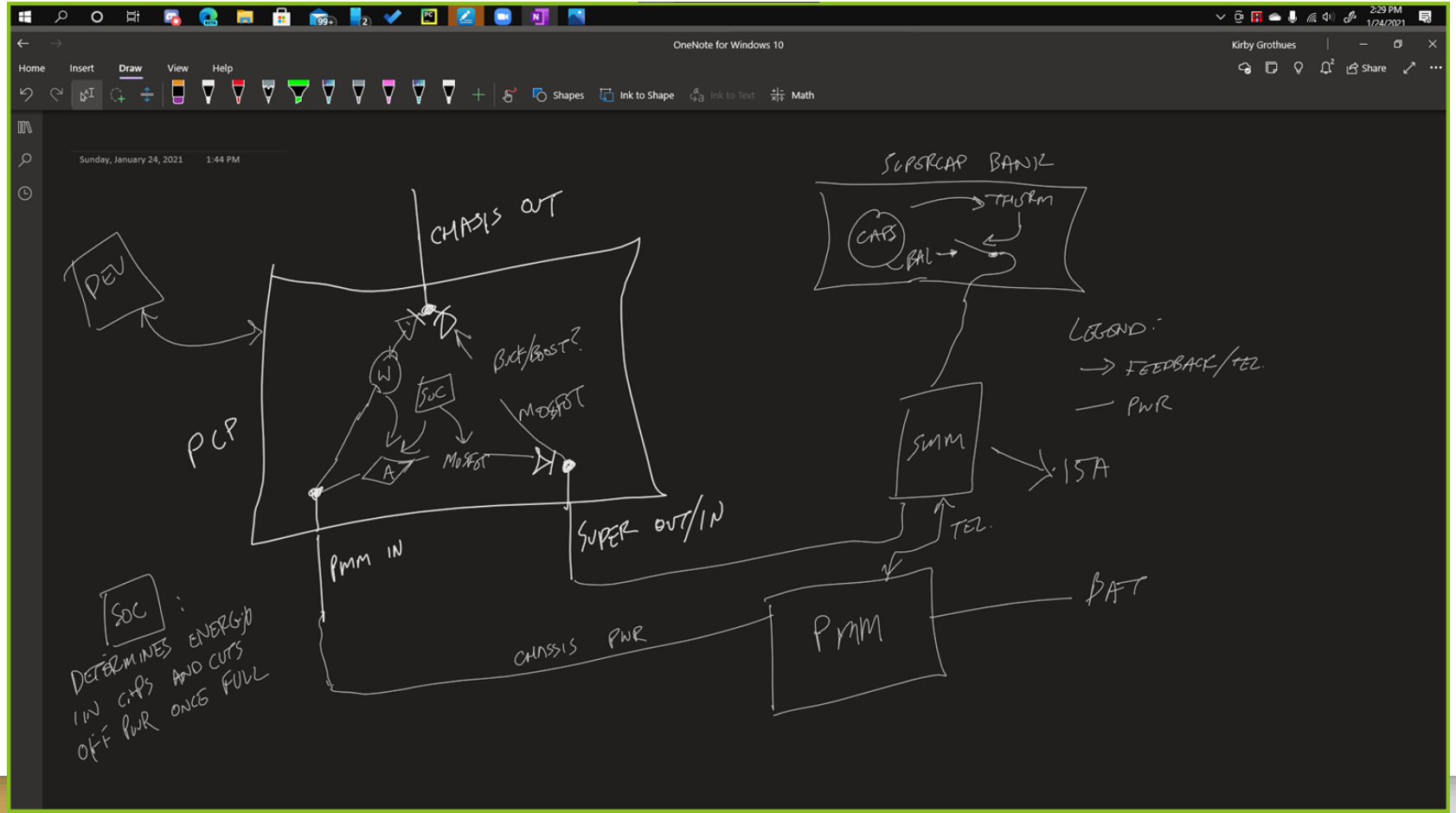
- Look for balancing time/delay, ripple

Values needed to validate Possible Balence Circuit:

- PSU Balance circuit

Power Control Group

Power Control SuperCap Block Diagram



Power Control SuperCap Block Notes