



## Legend:

Command/Logic

IF/check

Needs Development

Needs more detail

Need Simulink input

## Current Features:

1. Interrupt from sleep/idle mode
2. Inactivity tracking/ goto sleep
3. x/y tilt detect/correct
4. tilt button motor brake
5. x/y axis error detect

## TODO:

1. Track handle angle??
2. Track last 100 XYZ??
3. detailed xyz normalizing func
4. validate motor dir vs x/y

4. validate motor dir vs x/y theta dir via testing
5. develop calcPwm()
6. How long to wait before rechecking XYZ??
7. READ xyz in between x and y control sequence?
8. Check for nFault func
9. Check for INTN1 func
10. Check for INTN2 func
11. develop x/y homing

