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* 7f59316 stop the motors when WiFi command is recieved
* 7a0117a Remove excess Serial logging and print state on LED matrix
* f6f183d Changes made in 8/4/2024 Lab
* 041aac8 Update SensorManager.cpp
* ada12ef Merge branch 'silver' of https://github.com/dylanneve1/SpudArduino
into silver
|\
| * 56a9a69 save
| * dfeeffc 3/4/2024
| * 59494cf test
| * 5ff939e ds
| * f36faa9 Increase PID threshold and try to reduce ultrasonic error
| * 88f5f60 pass avg v and error to processing
* | 42a839e testing different split string
|/
* 7315bcd 2/4/2024
* cd2bae0 fixup buggy speed calculation
* 3fc124c wad
* cbfd2a9 manual + PID complete
* 058f8d0 allow disabling wifi
* 618929d tidy up
* 3419530 Clean-up WiFi a bit
* 4522097 Combine WiFi setup functions
* 27f160b fix pid
* 98d2d34 Update SensorManager.cpp
* d3277d0 add check for pidSpeed
* 9a7d2dd Add align buggy speed
* 223c844 Calculate PID coefficient
* d7be58e Tidy up sensors code a bit
* 8618a15 check avg_v isnt null
* 0ff22e0 Add avg_v calculation
| * f1fc2d1 d
| | * 3784eb6 Update SensorManager.cpp
| | * 6a7a7a5 add check for pidSpeed
| | * 1d78912 Add align buggy speed
| | * f464ed5 Calculate PID coefficient
| | * 74e6fd3 Tidy up sensors code a bit
| | * b97dc97 check avg_v isnt null
| | * ea8689c Add avg_v calculation
| |/
|/
* | 9702e3f Spin back during turn
* | cf18f73 fix formatting
* | 8d6244a made it turn
|/
| * 06e1811 cleanup
| * 257be33 Fix issue where motors werent reenabled
| * 31cb558 Add a cooldown when IR sensor hits white line
| * 0d17697 maintain the speed better
| * 725237f Update SpudArduino.ino
| * 0e00ed6 Update SpudArduino.ino
| * 6bd727b Update SpudArduino.ino
| * b6468a4 Fix some bugs
| * 9f8e3e1 Render current work state and mode on LED matrix
| * 34c82dc Add a proper PID
| * 007ac19 remove redundant millis() calls
| * db08d1c macro optimizations
| * 2167cd2 added more inputs
| * cd38159 Update SpudArduino.ino
| * a1988cd Fix the start_stop command string
| * 51ec447 Update SpudArduino.ino
| * ae0e7b3 Update SpudArduino.ino
| * f596884 Update SpudArduino.ino
| * 796a7f5 Combine everything into SpudArduino.ino

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| * f1434d5 Remove some code
| | * 29a1204 attempting manual user mechanism
| | * 6d3ff85 Test calculating average speed
| | * c5ca495 Merge branch '2602' of https://github.com/dylanneve1/SpudArduino
into 2602
| | /
| / |
| | * f561ae1 reference object
* | | e45ddad changing the distance
| | /
| / |
| | * e20b06a fixup
| | * 91f77c0 VisionManager: fix typo
| | * ebca5f1 Initial VisionManager
| | * 52daa65 clean
| | /
| / |
* | 1be84bd correct distance travelled
* | dfa3f7e Done
* | 993fec4 Pass the actual motor speed to processing!
* | 143049e measure left and right wheels seperately
* | 618dcc7 Half the REVOLUTION_DISTANCE for each revolution
* | 99161be Initial interrupt implementation
* | 0c1f564 More cleanup
* | a41e271 Add some more comments and cleanup
* | aa73462 final without encoder
* | 6b20424 did wifi changes for on/off button
| /
| * f5df7f2 save
| * d458b00 save
| * 36922b3 did wifi changes for on/off button
| /
* 49ae59f 21/02/2024 PRELAB
* 1ce3a95 WiFiManager: initial wireless communications
* 07ed322 Refactor ultrasonic sensor code
* 80605f8 made changes for ultrasonics
* 05c92e0 update lowest speed
* 3bcc5c4 SpudArduino: repair the hit system
| * e878ce1 made changes for ultrasonics
| /
* 46048e5 Lab 14/2/2024
* 68c7998 SensorManager: add integration to GuidanceManager
* c6d270c SpudArduino: Use millis for the global time not int
| * 51e416b Update MotorManager.h
| * 9164998 gg
| /
* 46d0531 12/2/2024 lab
* 967dc68 SpudArduino: store the time since turned on
* b383066 SpudArduino: MotorManager: add basic configuration for motor
* bdbe81d SpudArduino: initialise SensorManager and MotorManager
* e7e7df4 SpudArduino: add support for basic motor control
* 64f6547 SpudArduino: upload initial code
* 8b14fca Initial commit

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