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1 // kitty_kontrol.ino - code to kontrol operation of stepper motor in the cats head
2 // 1/31/2024 - Idea Fab Labs, Chico
3 // current issue: runSpeed() doesn't support acceleration ...
4
5 #include <AccelStepper.h>
6 #include <Servo.h>
7 #include <Adafruit_NeoPixel.h>
8
9 // Pin usage defines
10 #define PUL 9 // Stepper Pulse pin (output)
11 #define DIR 8 // Stepper Direction pin (output)
12 #define JUP 6 // Joystick Up pin (input)
13 #define JDN 4 // Joystick Down pin (input)
14 #define JLT 5 // Joystick Left pin (input)
15 #define JRT 7 // Joystick Right pin (input)
16 #define AB1 A2 // Arcade button #1 pin (input)
17 #define AB2 A11 // Arcade button #2 pin (input)
18 #define LLS 3 // Left Limit Switch pin (input ~ interrupt)
19 #define RLS 2 // Right Limit Switch pin (input ~ interrupt)
20 #define SPD A0 // Potentiometer for speed pin (input ~ analog)
21 // #define ACC A7 // Potentiometer for acceleration pin (input ~ analog)
22 #define RGB A1 // Neopixel pin (output)
23 #define LEDS 8 // Number of Neopixels
24

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