

File "/Projet_test/main.cpp" printed from os.mbed.com on 04/06/2021

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1
2
3
4
5 #include "mbed.h"
6 PwmOut speed(PC_9);
7 PwmOut rotation(PB_13);
8
9 AnalogIn sensorF(PC_3);
10 AnalogIn sensorR(PC_2);
11 AnalogIn sensorL(PC_0);
12 int main(){
13     speed.period_ms(20);
14     speed.pulsewidth_us(1560);
15     rotation.period_ms(20);
16     rotation.pulsewidth_us(1310);
17     wait(2);
18     double measF,tensionF,measL,tensionL,measR,tensionR,limitF;
19
20
21     while (1){
22         measF = sensorF.read();
23         measL = sensorL.read();
24         measR = sensorR.read();
25         tensionF = measF * 3.3;
26         tensionL= measL * 3.3;
27         tensionR= measR *3.3;
28         limitF =1.5;
29
30         if(tensionF < 2.2){
31             if (tensionR>0.8 || tensionL>0.8){
32                 if ( tensionR>0.8){
33                     rotation.pulsewidth_us(1150);
34                     speed.pulsewidth_us(1705);}
35                 else {
36                     rotation.pulsewidth_us(1500);
37                     speed.pulsewidth_us(1705);}
38             }
39             else {speed.pulsewidth_us(1705);
40                 rotation.pulsewidth_us(1300);}
41         }
42         else{
43             //speed.pulsewidth_us(1560);}
44
45             speed.pulsewidth_us(1475);
46             rotation.pulsewidth_us(1100);
47             wait(2);
48
49         }
50     }
51
52     }
53     }
54
55
56
57
58
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