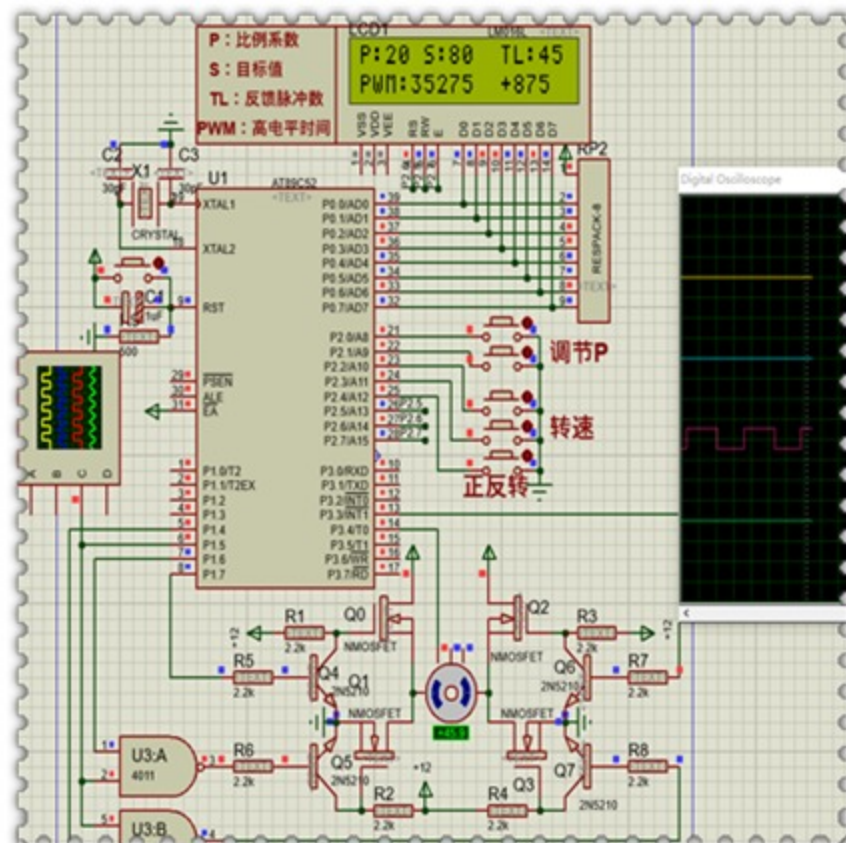




```

1  #include "STC51 System Config.h"
2  #include "keyboard.h"
3  #include "LCD 1602 12864.h"
4  #include "PID.h" //PID公式
5
6  sbit QH0 = P1^7;
7  sbit QH1 = P1^6;
8  sbit QH2 = P1^4;
9  sbit QH3 = P3^3;
10 sbit PWM_IO= P1^5;
11
12 bit T160ms;    //采样周期 sampling period
13 u8 Target = 80; //目标值
14 u8 PID_P = 20; //调整PID的比例值
15 u8 TL0C;      //反馈脉冲值
16 u16 tpwm;     //pwm周期为10000us tpwm变量表示pwm高电平时间，也相当于占空比（仿真时，频率高时，电机反应慢。在实物上要加大频率
17
18 void TimerR_Init(void) //-----中断服务初始化
19 {
20     TMOD |= 0x16; //定时器计数器1: 定时模式65536 定时器计数器0: 计数模式最大计数256
21     TH1 = TL0 = 0; //定时器0计数清零
22     TH1 = TL1 = 255;
23     RCAP2H = 39; //定时器2使用“RCAP2”可以自动重装初值
24     RCAP2L = 90;
25     TR0 = TR2 = 1; //启动定时器0用来采集电机转速计数，启动定时器2用来规定采集周期
26     ET1 = ET2 = 1; //允许定时计数器1和2申请中断
27     EA = 1; //打开总中断
28 }
29
30 void PWM_output(void) interrupt 3 //-----定时器1 用来产生PWM

```

- Listings
- Objects
- STARTUP
- User_Function
- 开发资料
- 软件教程
- 注意事项
- Last Loaded MOTOR_PID.pdsbak
- main.c
- MOTOR_PID.pdsprj
- MOTOR_PID.pdsprj.DESKTOP-58MF...
- STC51_Engineering.uvopt
- STC51_Engineering.uvproj
- STC51_Engineering_uvproj.bak
- 仿真.png
- 配套资料说明.txt