Control motor

1、Experiment goal

Control the forward and reverse rotation of the motor on the Transbot SE, and control the speed of the motor by controlling the PWM duty cycle of the motor.

2、Experiment preparation

Motor interface as shown below.

Transbot_Lib library functions needed to be used to control the motor of Transbot SE:

```
set_motor(index, speed)
```

Parameter explanation: Control the motor's PWM pulse to control the motor speed. This function does not use the encoder speed measurement function.

index: Corresponding ID number: MOTOR_A = 1, MOTOR_B = 2, speed: control motor speed.

index=[1, 2], speed=[-100, 100]

Return value: None.

3、Experimental operation and phenomenon

Please the video.

4、Code

Code path: Transbot/Samples/5.motor.ipynb