|  |
| --- |
| #include <AFMotor.h> |
|  |  |
|  | AF\_DCMotor motor1(1); |
|  | AF\_DCMotor motor2(2); |
|  | AF\_DCMotor motor3(3); |
|  | AF\_DCMotor motor4(4); |
|  |  |
|  | char bt='S'; |
|  | void setup() |
|  | { |
|  | Serial.begin(38400); |
|  |  |
|  | motor1.setSpeed(255); |
|  | motor2.setSpeed(255); |
|  | motor3.setSpeed(255); |
|  | motor4.setSpeed(255); |
|  | Stop(); |
|  | } |
|  |  |
|  |  |
|  | void loop() { |
|  |  |
|  | bt=Serial.read(); |
|  |  |
|  | if(bt=='F') |
|  | { |
|  | forward(); |
|  | } |
|  |  |
|  | if(bt=='B') |
|  | { |
|  | backward(); |
|  | } |
|  |  |
|  | if(bt=='L') |
|  | { |
|  | left(); |
|  | } |
|  |  |
|  | if(bt=='R') |
|  | { |
|  | right(); |
|  | } |
|  |  |
|  | if(bt=='S') |
|  | { |
|  | Stop(); |
|  | } |
|  |  |
|  | } |
|  | void forward() |
|  | { |
|  | motor1.run(FORWARD); |
|  | motor2.run(FORWARD); |
|  | motor3.run(FORWARD); |
|  | motor4.run(FORWARD); |
|  | } |
|  |  |
|  | void backward() |
|  | { |
|  | motor1.run(BACKWARD); |
|  | motor2.run(BACKWARD); |
|  | motor3.run(BACKWARD); |
|  | motor4.run(BACKWARD); |
|  | } |
|  | void left() |
|  | { |
|  | motor1.run(FORWARD); |
|  | motor2.run(FORWARD); |
|  | motor3.run(BACKWARD); |
|  | motor4.run(BACKWARD); |
|  | } |
|  | void right() |
|  | { |
|  | motor1.run(BACKWARD); |
|  | motor2.run(BACKWARD); |
|  | motor3.run(FORWARD); |
|  | motor4.run(FORWARD); |
|  | } |
|  | void Stop() |
|  | { |
|  | motor1.run(RELEASE); |
|  | motor2.run(RELEASE); |
|  | motor3.run(RELEASE); |
|  | motor4.run(RELEASE); |
|  | } |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |