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/**
 * Ofile autoLeft.c
 * Obrief Left side autonomous routines
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#include "../include/auto.h"
void autonLeft12() {
                                          // Get the mobile goal
        getMogo();
        TaskHandle armPIDHandle = GO(armPID, NULL);
        turnTo(-6, 500);
                                         // Align to a left tilt
        driveSettings[1].max -= 40;
                                         // Limit right side speed
        GO(placeConeT, NULL);
        driveToPosition(220, 650, 2400); // Back up
        driveSettings[1].max += 40;  // Correct speed
                                          // Turn around
        turnTo(-165, 2000);
        delay(400);
        // Reset drive encoders & gyro
        sensorReset(drive[0].sensor);
        sensorReset(drive[1].sensor);
        sensorReset(&gyro);
        driveToPositionAngle(1000, 900, 13, 1850); // Drive arc 13 degrees clockwise
        armToPosition(ARM_QUARTER, 400);
        mogoP(MOGO_DOWN);
        driveSet(-127, -127);
                                                   // Back up the drive
        delay(130);
        mogoP(MOGO_DOWN - 300);
                                                    // Bring the mobile goal up a bit
        delay(250);
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driveSet(0, 0);
                                                   // Stop the drive
        taskDelete(armPIDHandle);
} /* autonLeft12 */
void autonLeft22() {
       getMogo(); // Get the mobile goal
        turnTo(-1, 550);
        driveToPosition(1650, 1650, 3500);
        turnTo(-17, 1850); // Align to a left tilt of 12 degrees
        // driveSettings[1].max -= 40;
                                              // Limit right side speed
       GO(placeConeT, NULL); // Place cone
        // driveToPosition(-485, -210, 5500); // Back up
        driveToPosition(-850, -850, 5500);  // Back up
                                              // Correct speed
        // driveSettings[1].max += 40;
        GO(armPID, NULL);
        turnTo(-144, 2500); // Turn around
        // Reset drive encoders & gyro
        sensorReset(drive[0].sensor);
        sensorReset(drive[1].sensor);
        sensorReset(&gyro);
        driveSet(127, 127);
        delay(200);
        /*
       mogo.power = 127;
        mogo.child->power = 127;
        motorSet(mogo.port, 127 * mogo.isInverted);
        motorSet(mogo.child->port, 127 * mogo.child->isInverted);
        driveSet(70, 70);
        delay(250);
        mutexGive(mogo._mutex);
        */
       mogo.power = 70;
       motorUpdate(&mogo);
        // TaskHandle mogoHandle = GO(mogoPT, MOGO_MID + 125);
        // driveToPositionAngle(1525, 1425, 13, 1675); // Drive arc 13 degrees clockwise
       driveToPositionAngle(1525, 1425, 13, 1675); // Drive arc 13 degrees clockwise
        // if (taskGetState(mogoHandle))
```

```
//
           taskDelete(mogoHandle);
driveSet(-10, -10);
// mogo.power = 127;
// motorUpdate(&mogo);
delay(350);
sensorReset(&gyro);
mogo.power = 127;
motorUpdate(&mogo);
driveSet(-127, -127);
delay(150);
// if (taskGetState(mogoHandle))
           taskDelete(mogoHandle);
TaskHandle mogoHandle = GO(mogoPT, MOGO_MID);
mutexGive(mogo._mutex);
while (!mutexTake(mogo._mutex, 1))
        mutexGive(mogo._mutex);
mogo.power = 127;
mogo.child->power = 127;
motorSet(mogo.port, 127 * mogo.isInverted);
motorSet(mogo.child->port, 127 * mogo.child->isInverted);
driveSet(64, 64);
delay(200);
driveSet(-80, -80);
mogo.power = 0;
mogo.child->power = 0;
motorSet(mogo.port, 0);
motorSet(mogo.child->port, 0);
delay(150);
mutexGive(mogo._mutex);
mogoHandle = GO(mogoPT, MOGO_MID - 100);
// */
driveToPosition(200, 200, 2495);
```