

# LAB05 Report

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## What We've learned in this lab

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- 如何調整PID control
- PID control的原理
- PID control 微調的各種階段
- Motor driver與motor的搭配

## How you can improve the device and tell us what you did

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- 把nano板換成uno板(nano板問題真的好多QQ)
- 把線路加長以避免motor爆轉時不會卡到線
- 在設定ki時，設定只有當error小於某一個threshold時才進行累加，可以避免速度過快

## Some feedback for this lab

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- nano板問題好像有點多，完成的過程中發生很多奇怪的事情
- 線有點不夠長，導致微調參數時線一直被扯到

## Anything related to this lab

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- Professor and TA is so handsome.