

專題規劃

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題目 - 自動翻土機

- 利用四根雷射測距儀測量整塊土地面積，使履帶車可以在固定範圍內自動翻土

行程規劃 (Road Map)

- 2014/12 → 完成一根雷射測距儀（誤差值控制在 10 公分之內），並完成整個專題架構
- 2015/1-2 → 使四根雷射測距儀自動尋找特定目標，並且量出距離及面積
- 2015/3-4 → 製作履帶車，並且能在雷射所框住的範圍內行走
- 2015/5-6 → 讓履帶車有規畫的在範圍內行走
- 2015/7-8 → 專題完成，投稿會議論文
- 2015/9-10 → 完成論文初版

上週 (2015/07/28) 遭遇問題及後續


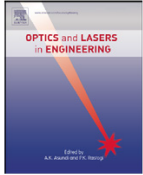
本週 (2015/08/18) 進度

- 未完成：在雷射傳遞訊號程式中加入頻率檢測
- 參考網路上關於 LASER 及 WEBCAM 的論文

<http://www.sciencedirect.com/science/article/pii/S0>

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A webcam in Bayer-mode as a light beam profiler for the near infra-red

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本週所遭遇問題及可能解法

- 問題：

1. 網路上要找到關於 Laser 跟 Webcam 相關資料不多，若在加上光訊號的關鍵字，能找到符合所需要的資料更少

- 可能解法：

下週 (2015/08/25) 預計進度

- 先完成頻率檢測程式，再加入到雷射

下週 (2015/08/25) 預計進度

- 先完成頻率檢測程式，再加入到雷射傳遞訊號程式中

其它（備註）