

# 雷達理論之進階解

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## 摘要

雷達系統無論是軍用國防及民用航空皆占極重要的地位，本論文將針對雷達追蹤作深入之探討，並設計一完整之追蹤系統以求取雷達追蹤之進階解。本系統係採用擴展型之卡門濾波器及適應性程序，以保證雷達追蹤系統的正確性及可靠性。為驗證本論文所提架構確實是可行的，本論文亦設計一模擬程式，根據模擬結果可知，本系統可得到雷達系統的進階解，並可得到很好的追蹤成效。

關鍵詞：濾波器；雷達追蹤

## 目錄

封面內頁 簽名頁 授權書 . . . . .	iii	中文摘要 . . . . .	iii
. . . . . iv 英文摘要 . . . . .	iv	v 誌謝 . . . . .	v
. . . . . vi 目錄 . . . . .	vi	vii 圖目錄 . . . . .	vii
. . . . . ix 表目錄 . . . . .	ix	x 第一章 諸論 1.1 前言 . . . . .	x
. . . . . 1 1.2 雷達簡介 . . . . .	1	2 1.3 雷達應用 . . . . .	2
. . . . . 4 1.4 論文章節 . . . . .	4	5 第二章 雷達追蹤系統數學模型 2.1 前言 . . . . .	5
. . . . . 6 2.2 多目標追蹤系統 . . . . .	6	7 2.3 最佳濾波器介紹 . . . . .	7
. . . . . 9 2.4 卡門濾波器數學架構 . . . . .	9	10 2.5 擴展式卡門濾波器 . . . . .	10
. . . . . 12 第三章 追蹤架構 3.1 前言 . . . . .	12	14 3.2 變速度追	14
蹤理論 . . . . .	15	3.3 變速度估測理論 . . . . .	16
. . . . . 24 第四章 資料相關結合技術 4.1 簡介 . . . . .	24	3.4 適應程序 . . . . .	16
. . . . . 27 4.2 PDA理論(Probabilistic Data Association) . . . . .	27	4.3 JPDA理論(Joint Probabilistic Data Association)31	31
conditional maximam likelihood理論 . . . . .	33	4.4 One-step	36
5.2 追蹤兩變速度目標之模擬 . . . . .	37	5.1 追蹤變速度單目標之模擬 . . . . .	36
5.3 追蹤多個變速度目標之模擬 . . . . .	37	5.2 追蹤兩變速度目標之模擬 . . . . .	37
第六章 結論 . . . . .	54	5.3 追蹤多個變速度目標之模擬 . . . . .	38
參考文獻 . . . . .	54	第六章 結論 . . . . .	54

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