改良式資料相關結合技術之研究

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摘 要

在多目標追蹤系統中，有效地掌握目標物的運動狀態是一個重要課題。其中又以資料相關結合技術、變速度之偵測與修正系統參數的數學運算為決定追蹤效果與精確度之最主要的關鍵。 在本論文裡，為了追蹤多量的變速度目標物，發展一個新的追蹤模式。此演算法則是利用競爭式類神經網路(Competitive Hopfield Neural Networks)結合資料結合技術，配合卡門濾波器當作其適應性變速度的補償，來執行運算。經由這個方式，資料結合和目標物變速度問題也就能同時解決。

關鍵詞 : 資料相關結合技術 ; 競爭式類神經網路

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