

超立方體泛圈性質相鄰點容錯之研究

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摘要

在本篇論文是關於 n 維超立方體圖形的泛圈相鄰點容錯性質 之研究。一個二分圖中若存在長度從4 到所有點數的偶數環時，此圖 稱為泛圈圖，令 F_a 代表 f_a 對相鄰壞點的集合， F_e 代表 f_e 條壞邊的 集合，在本篇論文中，我們將證明 $Q_n \in F_a \cap F_e$ 是泛圈圖，其中 $f_a + f_e = n - 2$ 。一個二分圖中每條邊都被任何偶數長度的環經過時，稱為邊 泛圈圖，在本篇論文中，我們將進一步證明 $Q_n \in F_a \cap F_e$ 是邊泛 圈圖，其中 $f_a + f_e = n - 2$ 且 $0 \leq f_a \leq n - 3$ 。

關鍵詞：超立方體，泛圈，邊泛圈，容錯

目錄

授權	iii 英文摘要	iv 中文摘要
.....v 誌謝vi 目錄	
.....vii 圖目錄viii Chapter 1 Introduction	
.....1 Chapter 2 The adjacent vertices fault tolerance for bipancyclicity of hypercube		
.....4 Chapter 3 The adjacent vertices fault tolerance for edge-bipancyclicity of hypercube		
.....11 Chapter 4 Conclusion31	

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