超立方體雙扇型相鄰點容錯性質之研究

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摘 要

令Q_n =(V_b ∪ V_w, E) 是n維的超立方體，F_a為f_a對相鄰壞點的集合，s_1, t^2_1,..... t^{k_1}_1 為 Q_n 上任意好的黑點，而 t^1_1 為 Q_n 上任意好的白點，在這篇論文中，我們在圖 Q_n ? F_a 中建構出 k 條生成互斥路徑 P(s_1, t^i_1)，其中f_a +k ?n 且 1 ? i ? k。 令 s_1, t^1_2, t^2_1,...., t^{k_1}_1 為 Q_n 上任意好的黑點，而 s_2, t^1_1, t^2_2,...., t^{k_1}_2 為 Q_n 上任意好的白點。在這篇論文中，我們在圖 Q_n ? F_a 中建構出k_1+k_2 條生成互斥路徑 P(s_1, t^i_1) 與 P(s_2, t^j_2)，其中f_a + k_1 + k_2 ? n ? 1 且 1 ? i ? k_1, 1 ? j ? k_2。

關鍵詞 : 超立方體、相鄰點容錯、扇形、雙扇形、漢米爾頓蕾絲邊

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