

# 超立方體最長環與路徑容錯嵌入之研究

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## 摘要

在這篇論文當中，我們介紹超立方體圖形在相鄰點容錯之後，有Property 2H 以及Hamiltonian laceable 的性質。依據這些定理，我們可以在超立方體圖形中建構沒有錯點錯邊的最長環狀；此環的長度為 $2n-2|F_v|+4$ ，而它的容錯最多到 $n$  個任意點。我們也可以建構沒有錯點錯邊的最長路徑，而路徑的容錯最多到 $n-1$  的任意點。

關鍵詞：超立方體，最長環狀，最長路徑。

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