

MIMO機制於雙層毫微微網路中之研究

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摘要

本論文的目的是對於操作兩層毫微微蜂巢(tow-tier femtocell)環境之中多輸入多輸出(multiple input multiple output, MIMO)系統進行效能的估算，並且分析數值結果。首先考慮本論文的部署，假設有多個毫微微蜂巢(femtocell)分布在巨大蜂巢(Macrocell)的周圍，可應用於室內使用者，如家用辦公室、小公司或移動手機等。在MIMO系統中，使用不同的輸入、輸出，研究跳槽數量藉由這參數控制系統效能，以及載波的數量在MIMO系統之中重要的因素，它的確影響MIMO系統操作在多使用者傳輸系統的系統效能。

關鍵詞：多輸入多輸出、毫微微蜂巢、巨大蜂巢、系統效能

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