

第三代行動網路中支援服務品質之展頻碼配置

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摘要

在3GPP 規格書中指出，通道碼 (Channelization code) 是由OVSF Codes 所產生出來的，它可以分配具有正交特性的通道碼給使用者。在OVSF Codes 中有兩個研究方向：編碼配置與編碼重新配置。編碼配置的目的是避免資源散亂的情形以降低系統發生阻斷 (Call Blocking) 的機會；而編碼重新配置的目的是增加系統的使用率，也減少搬移編碼時對於系統所造成的成本 (Cost)。本文提出一種方法，在進行編碼重新配置時進行條件篩選，以減少系統搬移編碼時的成本，經過模擬分析證實了我們的方法可以降低系統在做編碼重新配置時所消耗的成本。

關鍵詞：OVSF Code Tree，展頻因子，編碼配置，編碼的重新配置，阻斷，服務品質

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