

ABSTRACT

IEEE 802.11 is a standard protocol used for *Wireless Local Area Networks*. IEEE 802.11 *Medium Access Control* (MAC) is proposed to support asynchronous delivery of radio data packets in infrastructure and ad hoc networks. *Point Coordination Function* (PCF) and *Distributed Coordination Function* (DCF), which has been developed to DCF+, are the two access methods used in Wireless LAN.

This final project analyzes Wireless LAN's transport protocol performance by comparing it's parameters, such as Throughput, Delay, Goodput and Fairness between DCF with DCF+. Moreover it will be shown that DCF+ increases *Wireless LAN's* transport protocol performance.

Key words: IEEE 802.11, *Collision Avoidance*, CSMA