

ABSTRACT

The high demand for video communications in the future for the claimant to provide a range of technologies that can meet the request to the user, it can be established when the bit rate capacity is quite large with video quality similar to the original.

This can be done with the coding techniques recommended by ITU-T is advanced video coding (AVC) standard, better known to the H.264 or MPEG 4 part 10 that has dominated the video coding standard in recent years. MPEG2 standard is already quite sick, displaced by the H.264 standard is a much better performance. With H.264 encoding low bit rate transmission can be filled with the trade off of risk (which produced the video quality loss).

This final performance analysis predictive weight (wighted prediction) on the main profile (main profile) H.264 in W-LAN networks. Parameters to be measured to assess the quality of the resulting video is PSNR, and MOS. The parameters that determine the quality of the network delay, jitter, throughput, and packet loss testing will be performed on W-LAN networks. Methods used in this thesis is a literature review, conduct simulations and analysis.

Key words: Weighted prediction, H.264, AVC, Main Profile, W-LAN