

Abstract

Video on Demand is a *video streaming* application which a video file that will be streamed is compressed and stored on a disk first before transmitted to the clients. The main reason for video compression is to achieve transmission efficiency.

WMV9 codec is a video codec that support video compression with CBR and MBR encoding scheme. Each encoding scheme has its own characteristic video compression dan streaming.

The simulation and analysis in this book are to know the advantages and disadvantages for CBR and MBR encoding scheme on *video streaming*. The parameter which measured to compare both encoding scheme are compression ratio, PSNR, MOS, delay and packet loss.

Based on simulation result show that MBR encoding scheme can adapt to bandwidth change rather than CBR encoding scheme.

keyword : streaming, video compression, PSNR, MOS, bit rate, delay, packet loss.