

Abstract

AAC is an audio compression technique which was built to have better performance than MP3 at a bitrate lower than 128 Kbps. Author using codec AAC to produce audio files with an mp4 extension which compared with mp3 extension afterwards. Author compares frequency width from both codec with same bitrate.

In this final assignment “Compression comparison of audio AAC and MP3”, Author analyzes both compressions to maintain frequency width.

Based on analysis, it is found that AAC have better capability to maintain frequency width than MP3 especially at bitrate below 80 Kbps. Meanwhile AAC have a larger file size than MP3 and this difference varies between data and bitrate. For duration of convert, AAC only faster within bitrate larger than 96 Kbps.

Keywords: AAC, MP3, extension, codec.