Synchronization of Decompression and Display in Fractal Video Compression System

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ABSTRACT

Image files with RAW format are simple、no header and no color palette, and each byte directly stands for a pixel intensity. So many researchers who study image compression or image processing algorithms constantly use RAW format file. But it is difficult to display intuitively the qualities of the images with RAW format after image compression or image processing. In this paper we convert image files with RAW format to BMP format in a fractal Video decompression system and display the decompressed image sequence as a section of Video. Furthermore, we use multi-thread technology to implement decompression and display synchronously so that end users of the fractal Video decompression system don't need to wait a long time to view the decompressed Video.

KEYWORDS: Fractal, Video compression, Multi-Thread