



International Journal on Recent Researches In Science, Engineering & Technology

A Journal Established in early 2000 and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy. It is an absolutely free (No processing charge No publishing charge etc) Journal Indexed in DIIF and SJIF.

Research Paper

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ISSN (Print) : 2347-6729
ISSN (Online) : 2348-3105

**Volume 1, Issue 10,
Oct. 2013**

**DIIF IF :1.46
SJIF IF: 1.329**

Compound Video Image Compression

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Abstract - Literature reported means to explore H.264/AVC operating in intra frame mode to compress a mixed image, i.e., composed of text, graphics, and pictures. Even though mixed contents (Compound) documents usually require the use of multiple compressors, We apply a single compressor for both text and pictures. For that, distortion is taken into account differently between text and picture regions. The new approach deviate bits from pictorial regions to text in order to keep text edges sharp, i.e., change the H.264/AVC quantization parameter on a macroblock by macroblock basis. The reconstructed images have better text sharpness with the good PSNR rate.