



International Journal on Recent Researches In Science, Engineering & Technology

(Division of Civil Engineering)

A Journal Established in early 2000 as National journal 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 charges, No publishing charges etc) Journal Indexed in JIR, DIIF and SJIF.

Research Paper

Available online at: www.jrrset.com

Chief Editor : Dr. M.Narayana Rao, Ph.D., Rtd. Professor, NIT, Trichy.

ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

Volume 2, Issue 12,

December 2014

JIR IF : 2.54

DIIF IF :1.46

SJIF IF: 1.329

A Three Component hybrid image compression method

Williams

Abstract - In this paper we present a case study of a three- component hybrid image compression algorithm combining the familiar, DCT -based JPEG algorithm with the wavelet based JPEG 2000 algorithm and a search less fractal image compression algorithm capable of unusually deep quadrate spanning. Comparison of relationship between compression rate and peak signal to noise ratio for each component algorithm and the same relationship for the hybrid algorithm is presented. The hybrid algorithm is capable of providing superior performance in terms of compression rate and reconstructed image quality compared to any of the component methods alone .