

{tag}

{/tag}

IJCA Proceedings on National Seminar on
Future Trends and Innovations in Computer Engineering

© 2016 by IJCA Journal

NSFTICE 2015 - Number 1

Year of Publication: 2016

Authors:

Deepa Raj

Seema Gupta

{bibtex}nsftice201513.bib{/bibtex}

Abstract

A digital discrete signal correspond to a specific pointer is termed as bitplane image which represents position of bit in binary number. The lossless image compression is a combination of bitplane slicing and adaptive coding. This paper will discuss adaptive lossless image compression using bitplane slicing technique and derived the compression ratio.

ences

Refer

- Rafael Gonzalez and Richard E. Woods, Digital Image Processing, Addison-Wesley, second edition, 2002.
- H. Faheem Ahmed and U. Rizwan, Embedding Multiple Images in an Image Using Bit Plane, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 1, January 2013, ISSN: 2277 128X
- N S T Sai and R C Patil, Image Retrieval Using Bit-Plane Pixel Distribution, International Journal of Computer Science & Information Technology (IJCSIT), Vol 3, No 3, June 2011
- OPERATIONS, International Journal of Computer Science, Engineering and Information Technology (IJCSEIT), Vol. 4, No. 3, June 2014
- Mr. Vikas Tyagi, Data Hiding in Image using least significant bit with cryptography, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 2, Issue 4, April 2012, ISSN: 2277 128X
- Komal Ramteke and Sunita Rawat, "Lossless Image Compression LOCO-R Algorithm for 16 bit Image", 2nd National Conference on Information and Communication Technology (NCICT), pp. 11-14, 2011.
- Syed Ali Hassan and Mehdi Hussain, "Spatial Domain Lossless Image Data Compression Method", International Conference of Information and Communication Technologies, 2011.
- Al-Wahaib and M. S. Kok Sheikh Wong, "A Lossless Image Compression Algorithm Using Duplication Run Length Coding", IEEE Conference on Network Application Protocols and Services, pp. 245-250, 2010.
- C. Saravanan and R. Ponalagusamy, "Lossless Grey-Scale Image Compression Using Source Symbol Reduction and Huffman Coding", International Journal of Image Processing, IJIP, Vol-3. Issue-5, pp. 246-251, 2009.
- J. Arz and J. Fischer, "LZ-Compressed string dictionaries", CORR 2013.

Index Terms

Computer Science

Image Processing

Keywords

Image Compression Adaptive Compression Bit Plane Slicing Compression Ratio

