AN APPROACH FOR COMBINATION OF TECHNIQUE SPATIAL-ORIENTATION TREES WAVELET (STW) AND ADAPTIVELY SCANNED WAVELET DIFFERENCE REDUCTION (ASWDR)

Er. Prabhsharan Kaur	Sukhdeep Kaur	Er. Neha Garg	Jagdeep Kaur
Assistant Professor CSE Dept	M.Tech Scholar CSE Dept	M.Tech CSE Dept	M.Tech Scholar CSE Dept
NWIET, Dhudike	NWIET, Dhudike	LLIRET, Moga	NWIET, Dhudike
MRSPTU, PB, India	MRSPTU, PB, India	PTU, PB, India	MRSPTU, PB, India
prabhsharanbrar@hotmail.com	deepkaur182@yahoo.in	nehamoga25@gmail.com	jassygill01@gmail.com

Abstract - The use of progressive methods of compression, starting with the Spatial-orientation Trees Wavelet (STW) algorithm using the Haar wavelet and bior4.4 wavelet. The key parameter is the number of loops; increasing it leads to better recovery, but a worse CR, BPP, MSE, PSNR. Now we examine a slightly better result using 6 step and 9 steps and finally a satisfactory result using 12 steps. Now we try to improve the results by using the wavelet bior4.4 instead of haar and looking at loops of 12 and 11 steps. Finally, it used to compress the true color image. Truecolor images can be compressed using the same scheme as grayscale images by applying the same strategies to each of the three color components. The progressive compression method used is Aadaptively Scanned Wavelet Difference Reduction (ASWDR) and the number of encoding loops is set to 12.

KEYWORDS: Image, Image Compression, Images Types, Compression Techniques STW and ASWDR