Bul. Științ. Univ. Baia Mare, Ser. B., 560 zf. iind nutriogla endT Matematică - Informatică, Vol. XVIII(2002), Nr. 2, 193/2 198/01 Serumarina ciuli grisvollor ode ancianus treft el 1 200/2 transitingieni

## THE IMPLEMENTATION OF A SPIHT WAVELET CODEC and blood

## Ovidiu COSMA and Late Hill many paper agreed

Abstract. Finding an efficient way to encode the subband coefficients is essential for revealing the potential of the wavelet transform. Saphiro's paper [1] introduces the zerotrees, as an instrument for taking advantage of the correlation between the coefficients in several subbands. The SPIHT codec presented in [2] is also based on zerotrees, but achieves better compression. In this paper are presented the results of implementing a Java codec based on the SPIHT algorithm, with little optimisations.

MSC: 68P30

Keywords: image compression