

NAME

bil – bandinterleaving by line

SYNOPSIS

bil[-a]

DESCRIPTION

bil performs a bandinterleaving by line of the input HIPS image sequence, or de-bandinterleaving by line. On return the header parameter 'Interleaving' (byte) is either set to 1 or cleared. When making linear transformations of image sequences, e.g. principal components analysis, it is necessary to access pixels from all bands at the same time twice. First when computing relevant covariance matrices, second when making the actual transformation. To achieve this in an efficient way, the pixel values are bandinterleaved by line. This means rearranging the pixel values, so that line 0 of band 0 is followed by line 0 of band 1, and so forth. Using *-a* causes the program to load the entire image into RAM.

SEE ALSO

maf(1), roprc(1), jefmat(1), lintrans(1), bip(1), musecc(1)

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