NAME

waveblend – Fuse images into a single focus-enhanced image.

SYNOPSIS

waveblend *[options] outputimage image1 image2 [image3 [..]]*

DESCRIPTION

Use a wavelet based image fusion algorithm to merge all the images into one output image so that the best focused area of each input image is retained in the final image.

OPTIONS

--predenoise <thresh>

Apply soft threshhold denoising on all the input images individually before any further processing is done. The thresh value must be in a range of 0.0 to 1.0. The denoising is done on the grayvalue image, which - for a normalized image - spans the range 0.0 to 1.0. All values below the threshhold value will be set to zero.

--postdenoise <thresh>

Apply soft denoising onto the fused grayscale image. The process is the same as for the predenoise option.

--debug Graphically display the fusion process steps. The first images are the input images (not denoised in case predenoising is used). Below, the fused grayscale image is displayed (denoised in case postdenoising is used). Below is the topology map of the fused image. At last, the color map-reconstructed fused image is shown.

outputimage

The filename of the fused image file to generate. Bug: JPG does not seem to work as output format. Use PNG instead.

image[..]

The input image files.

BUGS

The outputimage cannot be a JPG file.

AUTHOR

Sebastian Nowozin <nowozin at cs dot tu dash berlin dot de>