

Talk at the Rhein-Ruhr-Workshop

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Title: Image Denoising in Optical Coherence Tomography

Abstract: “Optical Coherence Tomography (OCT) images, as well as a majority of medical images, are imposed to speckle noise while capturing and using the reconstructing algorithms. We first present the results of a specific group of denoising methods known as non-data-adaptive transforms for OCT images. Thereafter, the improved results obtained from a denoising algorithm using adaptive thresholding values and adaptive window size selections based on a Morphological Component Analysis scheme will be discussed.”