



NEW

## Low resolution patch based denoising of high resolution images

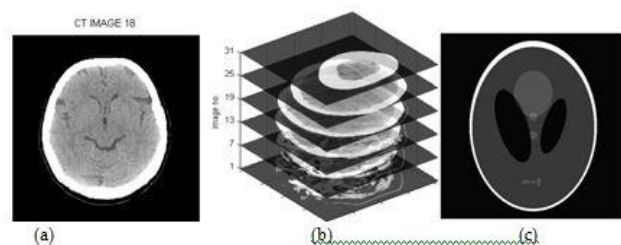
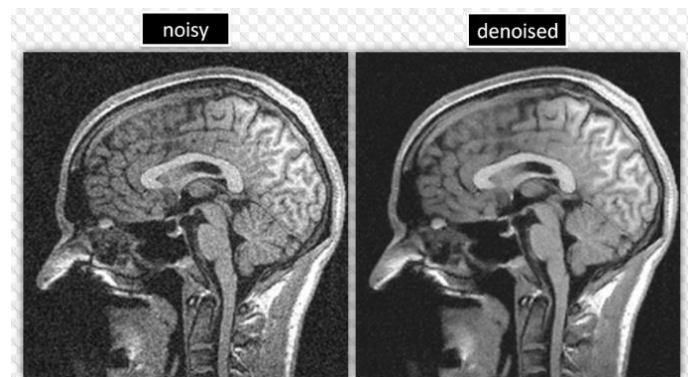
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### Project description:

Denoising is a fundamental problem in image processing. Many algorithms have been suggested for image denoising, the vast majority are not application specific, but are rather generic. Often, it is possible to acquire two datasets of images – one is a low resolution image with high SNR and the other is a high resolution image

In this project, we propose to use the high SNR, low resolution images to denoise the high resolution, low SNR images, and to achieve better performance over contemporary denoising algorithms.

The project can have immediate applications, such as denoising of bio-medical images.



**Required background:** Signal and systems, Mavlas, Anat.

**Environment:** Matlab.

For further details, please contact Oren: orensol@campus