



System And Method For Denoising Medical Images By Enforcing Low Rank Spatial-Temporal Or Spatial-Spectral Image Matrices

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The Invention

Systems and methods for generating one or more denoised images from a series of noisy images acquired with a medical imaging system are described. In general, the systems and methods described here implement techniques whereby the series of noisy images are formed into a spatial-temporal or spatial-spectral image matrix in which each column represents a different noisy image. The image matrix is then processed to decompose the image matrix into basis images defined by a spatial and a temporal or spectral basis. Low rank solutions are enforced and extracted from the resulting decomposed image matrix as denoised images.

Additional Information

For More Information About the Inventors

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Tech Fields

- [Medical Imaging : X-ray](#)

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846