

Noise-enhanced nonlinear PDE for edge restoration in scalar images

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Résumé en anglais	The report proposed an interpretation for the mechanism of noise-enhanced image restoration with nonlinear PDE (Partial Differential Equation) recently demonstrated in literature. A link is established between the action of noise in a nonlinear Perona-Malik anisotropic diffusion and stochastic resonance in memoryless nonlinear systems for 1-D signals.
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