

Statistical Analysis Of Noise In Mri Modeling Filtering And Estimation

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1/12/2012 · N_{ij} is noise in the complex plane, which is assumed to be independent, zero-mean, and Gaussian distributed with variance σ_{ij}^2 . Imagining an ensemble of possible solutions, the reconstruction problem is formulated as finding the model with parameter set θ that has the highest probability of being the correct one in the light of both the observed data X and the prior information Y .

Cortical response to naturalistic stimuli is largely ...

Noise ceiling estimation. The reliability of the group-averaged response at each voxel is estimated from a short 84-s clip that was repeatedly presented at the end of all movie sessions. We compute an effective upper bound on our performance metric, i.e., the correlation coefficient, as the correlation between the measured fMRI response (group-mean) during different runs.

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Professor Dacheng Tao - Sydney

Dacheng Tao is Professor of Computer Science and ARC Laureate Fellow in the School of Computer Science and the Faculty of Engineering, and the Inaugural Director of the UBTECH Sydney Artificial Intelligence Centre, at The University of Sydney. His research results in artificial intelligence have expounded in one monogr

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