

# Model Comparison via SURE

## Publications

Solo Lab, UNSW Sydney. April 2018.

### JOURNAL PAPERS

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- (1) MO Ulfarsson and V Solo, Dimension estimation in noisy PCA with SURE and Random Matrix Theory. IEEE Trans Signal Processing (2008), 56, pp 5804-5816.

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- (2) M. Ulfarsson and V. Solo, Tuning parameter selection for underdetermined Reduced Rank Regression, IEEE Sig. Proc. Letters, (2013), 20, pp 881-884.
- (3) AJ. Seneviratne and V Solo, Group Sparsity via SURE Based on Regression Parameter Mean Squared Error, IEEE Sig. Proc. Lett., (2014), 21, pp 1125 - 1129.
- (4) M Ulfarsson and V Solo, Selecting the Number of Principal Components with SURE, IEEE Sig. Proc. Lett., (2014), 22, pp 239 - 243.

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- (1) V. Solo, A SURE fired way to estimate parameters in ill-conditioned inverse problems, Proc IEEE ICIP 96, volIII, pp89-92, Lausanne Switzerland, Sept. 1996.
- (2) L.Ng, V. Solo, A data-driven method for choosing smoothing parameters in optical flow problems, Proc IEEE ICIP97, vol III, pp360-363.
- (3) L. Ng, V. Solo, Choosing the Optimal Neighbourhood Size in Optical Flow Problems with Errors- in-Variables Modelling, Proc. IEEE ICIP98, Chicago, Illinois, October 1998.
- (4) V.Solo, Transfer function order estimation with a H1 criterion, Proc. 37th IEEE CDC, Tampa, Florida, Dec. 1998.
- (5) V.Solo, Selection of regularization parameters for total variation denoising, Proc IEEE ICASSP99 volIII, 2239, 3pp, Phoenix AZ, May 1999.

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- (6) L.Ng, V. Solo, A data driven smoothing parameter selection technique for optical ow estimation, Proc. IEEE ICIP2000, Vancouver, Canada, September 2000.
- (7) V. Solo, Automatic Stopping Criterion for Anisotropic Diffusion, Proc. IEEE ICASSP 2001, Salt Lake City, Utah, May 2001.
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- (9) M Shi, V Solo, Empirical Choice of Smoothing Parameters in Optical Flow with Correlated Errors. Proc IEEE ICASSP 2003, vol III: pp 161-164, Hong Kong.
- (10) Shi M, Solo V, Empirical choice of smoothing parameters in robust optical flow estimation. Proc IEEE ICASSP 2004, vol III:349-352. Montreal, Canada.
- (11) Solo V, Selection of Tuning Parameters for Support Vector Machines Proc IEEE ICASSP 2005, pp V:237-240, Philadelphia, PA, March 2005.
- (12) Ulfarsson M and Solo V, Rank selection in noisy PCA with SURE and Random Matrix Theory. Proc IEEE ICASSP 2008, pp 3317-3320, Las Vegas, NV April 2008.

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- (13) V Solo and MO Ulfarsson, Threshold Selection for Group Sparsity, Proc IEEE ICASSP, Dallas Texas, pp 3754-3757, March 2010.
- (14) V Solo, Threshold Selection for noisy Matrix Completion, Proc IEEE ICASSP, pp 6581-6584, Vancouver, May 2013.
- (15) M Ulfarsson, V Solo, Tuning Parameter Selection for Non-negative Matrix Factorization, Proc IEEE ICASSP, pp 6590-6594, Vancouver, May 2013.