

Sparsity Publications

Solo Lab, UNSW Sydney.

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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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- (3) M Ulfarsson and V Solo, Vector l₀ Sparse Variable PCA, *IEEE Trans. Sig. Proc.*, (2011), 59, pp 1949-1958.
- (4) G. Marjanovic and V, Solo, On l_q Optimization and Matrix Completion, *IEEE Trans. Sig. Proc.*, (2012),60, pp 5714 - 5724.
- (5) G. Marjanovic and V. Solo, l_q Sparsity Penalized Linear Regression with Cyclic Descent, *IEEE Trans. Sig. Proc.*, (2014),62, pp 1464-1475.
- (6) G Marjanovic and V Solo, On l_q Optimization and Sparse Inverse Covariance Selection, *IEEE Trans. Sig. Proc.*, (2014),62, pp 1644-1654.
- (7) B. Cassidy, C. Rae, V. Solo, Brain Activity: Connectivity, Sparsity, and Mutual Information, *IEEE Trans, Med. Imaging*, 34, pp 846-860, 2015.
- (8) B. Cassidy, V. Solo, Spatially sparse, temporally smooth MEG via vector l₀. *IEEE Trans. Med. Imaging*, 34, pp 1282-1293, 2015.

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- (5) V Solo and MO Ulfarsson, Threshold Selection for Group Sparsity, *Proc IEEE ICASSP, Dallas Texas*, pp 3754-3757, March 2010.
- (6) G Marjanovic and V Solo, Sparse Signal Estimation with Nonlinear Conjugate Gradients, *Proc IEEE ICASSP, Dallas Texas*, pp 3766-3769, March 2010.
- (7) MO Ulfarsson and V Solo, Sparse variable noisy PCA using l₀ penalty, *Proc IEEE ICASSP, Dallas Texas*, pp 3950-3953, March 2010.
- (8) G Marjanovic and V Solo , l₀ Sparse Graphical Modeling , *Proc IEEE ICASSP, Prague*, p 2084-2087 , May 2011.
- (9) M Ulfarsson and V Solo , Sparse Variable Reduced Rank Regression via Stiefel Optimization , *Proc IEEE ICASSP, Prague*, p 3892-3895 , May 2011.
- (10) G Marjanovic and V Solo, l_q Matrix Completion, *Proc IEEE ICASSP, Kyoto, Japan*, pp 3885-3888, March 2012.
- (11) A Seneviratne and V Solo, On Vector l₀ Penalized Multivariate Regression, *Proc IEEE ICASSP, Kyoto, Japan*, pp 3613-3619 , March 2012.
- (12) M Ulfarsson and V Solo, Sparse loading noisy PCA using an l₀ penalty, *Proc IEEE ICASSP, Kyoto, Japan*, pp 3597-3600, March 2012.

- (13) B Cassidy and V Solo and A Seneviratne, Grouped l_0 Least Squares Penalized Magnetoencephalography, Proc IEEE ISBI (International Symposium on Biomedical Imaging), Barcelona, pp 868-871, May 2012.
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- (21) G. Marjanovic, M.O. Ulfarsson and V. Solo, Large-Scale l_0 Sparse Inverse Covariance Estimation, Proc IEEE ICASSP, pp 4767-4771, March 2016.
- (22) G. Marjanovic, V. Solo, Vector l_0 Sparse Conditional Independence Graphs, Proc IEEE ICASSP, Calgary, pp 2731-2735, 2018.
- (23) A. Pasha, V. Solo, Sparse Topology Identification for Point Process Networks, Proc IEEE ICASSP, Calgary, pp 2196-2200, 2018.