MY PAPER DATABASE

Nithish Divakar *
nithish.divakar@gmail.com

PAPERS

S. Gu et al.: Weighted Nuclear Norm Minimization with Application to Image Denoising **gu2014weighted**

Shuhang Gu et al. "Weighted Nuclear Norm Minimization with Application to Image Denoising". In: *IEEE Conf. on Computer Vision and Pattern Recognition*. 2014.

Abstract: **to do**.

Markovsky et al.: Low rank approximation **markovsky2012low**

Ivan Markovsky and Konstantin Usevich. *Low rank approximation*. Springer, 2012.

Abstract: **to do**.

Polok et al.: Fast linear algebra on GPU **polok2012fast**

Lukas Polok and Pavel Smrz. "Fast linear algebra on GPU". In: *High Performance Computing and Communication & 2012 IEEE 9th International Conference on Embedded Software and Systems (HPCC-ICESS), 2012 IEEE 14th International Conference on*. IEEE. 2012, pp. 439–444.

Abstract: **to do**.

Yan et al.: Image denoising using noisy chaotic neural networks **yan2011image**

Leipo Yan and Lipo Wang. "Image denoising using noisy chaotic neural networks". In: *Advances in Cognitive Neurodynamics (II)*. Springer, 2011, pp. 659–662.

Abstract: This paper uses the noisy chaotic neural network (NCNN) that we proposed earlier for image denoising as a constrained optimization problem.

Cai et al.: A singular value thresholding algorithm for matrix completion **cai2010singular**

Jian-Feng Cai, Emmanuel J Candès, and Zuowei Shen. "A singular value thresholding algorithm for matrix completion". In: *SIAM Journal on Optimization* 20.4 (2010), pp. 1956–1982.

Abstract: **to do**.

Condat: A simple trick to speed up and improve the non-local means **condat2010simple**

Laurent Condat. "A simple trick to speed up and improve the non-local means". In: . (2010).

Abstract: **to do**.

Candès et al.: Exact matrix completion via convex optimization **candes2009exact**

Emmanuel J Candès and Benjamin Recht. "Exact matrix completion via convex optimization". In: *Foundations of Computational mathematics* 9.6 (2009), pp. 717–772.

Abstract: **to do**.

*Other Stuff about author

Mairal et al.: Non-local sparse models for image restoration **mairal2009non**

Julien Mairal et al. “Non-local sparse models for image restoration”. In: *Computer Vision, 2009 IEEE 12th International Conference on*. IEEE. 2009, pp. 2272–2279.

Abstract: **to do**.

Markovsky: Structured low-rank approximation and its applications **markovsky2008structured**

Ivan Markovsky. “Structured low-rank approximation and its applications”. In: *Automatica* 44.4 (2008), pp. 891–909.

Abstract: **to do**.

Dabov et al.: Image denoising by sparse 3-D transform-domain collaborative filtering **dabov2007image**

Kostadin Dabov et al. “Image denoising by sparse 3-D transform-domain collaborative filtering”. In: *Image Processing, IEEE Transactions on* 16.8 (2007), pp. 2080–2095.

Abstract: **to do**.

Nickolls: GPU parallel computing architecture and cuda programming model **nickolls2007gpu**

John Nickolls. “GPU parallel computing architecture and cuda programming model”. In: *Session on Multi-Core and Parallelism I, Hot Chips* 19 (2007), pp. 19–21.

Abstract: **to do**.

Podlozhnyuk: Image convolution with CUDA **podlozhnyuk2007image**

Victor Podlozhnyuk. “Image convolution with CUDA”. In: *NVIDIA Corporation white paper, June* 2007.3 (2007).

Abstract: **to do**.

Ailon et al.: Approximate nearest neighbors and the fast Johnson-Lindenstrauss transform **ailon2006approximate**

Nir Ailon and Bernard Chazelle. “Approximate nearest neighbors and the fast Johnson-Lindenstrauss transform”. In: *Proceedings of the thirty-eighth annual ACM symposium on Theory of computing*. ACM. 2006, pp. 557–563.

Abstract: **to do**.

Andoni et al.: Near-optimal hashing algorithms for approximate nearest neighbor in high dimensions **andoni2006near**

Alexandr Andoni and Piotr Indyk. “Near-optimal hashing algorithms for approximate nearest neighbor in high dimensions”. In: *Foundations of Computer Science, 2006. FOCS’06. 47th Annual IEEE Symposium on*. IEEE. 2006, pp. 459–468.

Abstract: **to do**.

Elad et al.: Image denoising via sparse and redundant representations over learned dictionaries **elad2006image**

Michael Elad and Michal Aharon. “Image denoising via sparse and redundant representations over learned dictionaries”. In: *Image Processing, IEEE Transactions on* 15.12 (2006), pp. 3736–3745.

Abstract: **to do**.

Ellsworth et al.: Concurrent Visualization in a Production Supercomputing Environment **ellsworth-concurrentvis-tvcg2006**

D. Ellsworth et al. "Concurrent Visualization in a Production Supercomputing Environment". In: *IEEE Transactions on Visualization and Computer Graphics* 12.5 (2006), pp. 997–1004.

Abstract: **to do**.

J. Wang et al.: Fast non-local algorithm for image denoising **wang2006fast**

Jin Wang et al. "Fast non-local algorithm for image denoising". In: *Image Processing, 2006 IEEE International Conference on*. IEEE. 2006, pp. 1429–1432.

Abstract: **to do**.

Buades et al.: A non-local algorithm for image denoising **buades2005non**

Antoni Buades, Bartomeu Coll, and J-M Morel. "A non-local algorithm for image denoising". In: *Computer Vision and Pattern Recognition, 2005. CVPR 2005. IEEE Computer Society Conference on*. Vol. 2. IEEE. 2005, pp. 60–65.

Abstract: **to do**.

Mahmoudi et al.: Fast image and video denoising via nonlocal means of similar neighborhoods **mahmoudi2005fast**

Mona Mahmoudi and Guillermo Sapiro. "Fast image and video denoising via nonlocal means of similar neighborhoods". In: *Signal Processing Letters, IEEE* 12.12 (2005), pp. 839–842.

Abstract: **to do**.

Yu et al.: A Parallel Visualization Pipeline for Terascale Earthquake Simulations **yu-parvis-sc2004**

H. Yu, K-L. Ma, and J. Welling. "A Parallel Visualization Pipeline for Terascale Earthquake Simulations". In: *SC '04: Proceedings of the 2004 ACM/IEEE conference on Supercomputing*. 2004, p. 49.

Abstract: **to do**.

Charikar: Similarity estimation techniques from rounding algorithms **charikar2002similarity**

Moses S Charikar. "Similarity estimation techniques from rounding algorithms". In: *Proceedings of the thiry-fourth annual ACM symposium on Theory of computing*. ACM. 2002, pp. 380–388.

Abstract: **to do**.

Arya et al.: An optimal algorithm for approximate nearest neighbor searching fixed dimensions **arya1998optimal**

Sunil Arya et al. "An optimal algorithm for approximate nearest neighbor searching fixed dimensions". In: *Journal of the ACM (JACM)* 45.6 (1998), pp. 891–923.

Abstract: **to do**.

Knuth: The art of computer programming: Seminumerical algorithms **knuth1998art**

Donald Ervin Knuth. *The art of computer programming: Seminumerical algorithms*. Vol. 2. Adison-wesley, 1998, pp. 130–131.

Abstract: **to do**.

Tomasi et al.: Bilateral filtering for gray and color images **tomasi1998bilateral**

Carlo Tomasi and Roberto Manduchi. "Bilateral filtering for gray and color images". In: *Computer Vision, 1998. Sixth International Conference on*. IEEE. 1998, pp. 839–846.

Abstract: **to do**.

Drmac: Implementation of Jacobi rotations for accurate singular value computation in floating point arithmetic **drmac1997implementation**

Zlatko Drmac. "Implementation of Jacobi rotations for accurate singular value computation in floating point arithmetic". In: *SIAM Journal on Scientific Computing* 18.4 (1997), pp. 1200–1222.

Abstract: **to do**.

M. Gu et al.: Efficient Computation of the Singular Value Decomposition with Applications to Least Squares Problems **gu1994cient**

Ming Gu, James Demmely, and Inderjit Dhillonz. *Efficient Computation of the Singular Value Decomposition with Applications to Least Squares Problems*. Tech. rep. Technical Report CS-94-257, Department of Computer Science, University of Tennessee, Knoxville, TN, USA, 1994.

Abstract: **to do**.

Lindenbaum et al.: On Gabor's contribution to image enhancement **lindenbaum1994gabor**

Michael Lindenbaum, M Fischer, and A Bruckstein. "On Gabor's contribution to image enhancement". In: *Pattern Recognition* 27.1 (1994), pp. 1–8.

Abstract: **to do**.

Muller: A note on a method for generating points uniformly on n-dimensional spheres **muller1959note**

Mervin E Muller. "A note on a method for generating points uniformly on n-dimensional spheres". In: *Communications of the ACM* 2.4 (1959), pp. 19–20.

Abstract: **to do**.

Hestenes: Inversion of matrices by biorthogonalization and related results **hestenes1958inversion**

Magnus R Hestenes. "Inversion of matrices by biorthogonalization and related results". In: *Journal of the Society for Industrial & Applied Mathematics* 6.1 (1958), pp. 51–90.

Abstract: **to do**.