

## Ming–Jun Lai’s Publications

### 2009

- [107] S. Foucart and M. J. Lai, Sparse Recovery with Pre–Gaussian Random Matrices, submitted, 2009.
- [106] S. Kersey and M. J. Lai, Nonuniform Variational Interpolatory Refinement, submitted, 2009.
- [105] Guillas and M. J. Lai, Bivariate Splines for Spatial Functional Regression Models, to appear in *Journal of Nonparametric Statistics*, 2009.
- [104] M. J. Lai and A. Petukhov, Method of Virtual Components in the Multivariate Setting, accepted for publication in *J. of Fourier Analysis and Its Applications*, 2009.
- [103] M. J. Lai, On sparse solution of underdetermined linear systems, accepted for publication in *Journal of Concrete and Applicable Mathematics*, 2009,
- [102] M. J. Lai, B. Lucier, and J. Wang, The convergence of a central difference discretization of Rudin–Osher–Fatemi model for image denoising, *Proceedings of SSVM 2009*, X.–C.Tai et al (Eds), pp. 514–526.
- [101] M. J. Lai and L. L. Schumaker, Domain decomposition method for scattered data fitting , *SIAM J. Numerical Analysis*, 47(2009), 911–928.
- [100] S. Foucart and M. J. Lai, Sparsest Solutions of Underdetermined Linear Systems via  $\ell_q$ –minimization for  $0 \leq q \leq 1$ , , *Applied and Computational Harmonic Analysis*, 26(2009) 395–407.
- [99] M. J. Lai, C. K. Shum, V. Baramidze, and P. Wenston, Triangulated spherical splines for geopotential reconstruction, *J. of Geodesy*, 83 (2009) 695–708.

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- [93] Tian–he Zhou, Dan–Fu Han, Ming–Jun Lai, Energy Minimization Method for Scattered Data Hermite Interpolation, *Applied Numerical Mathematics* (2008) 58, 646–659.

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- [92] Xian–Liang Hu, Dan–Fu Han, Ming–Jun Lai, Bivariate Splines of Various Degrees for Numerical Solution of Partial Differential Equations, *SIAM Journal of Scientific Computing*, 29(2007) 1338–1354.

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