

## **Mullard Space Science Laboratory**

**Department of Space & Climate Physics** 



## References

- [1] M. A. Price, J. D. McEwen, X. Cai, T. D. Kitching, and C. G. R. Wallis, "Sparse Bayesian mass-mapping with uncertainties: hypothesis testing of structure", Monthly Notices of the Royal Astronomical Society, vol. 506, no. 3, pp., 3678-3690, Sept. 2021.
- [2] M. A. Price, X. Cai, J. D. McEwen, M. Pereyra, T. D. Kitching, and LSST Dark Energy Science Collaboration, "Sparse Bayesian mass mapping with uncertainties: local credible intervals", *Monthly Notices of the Royal Astronomical Society*, vol. 492, no. 1, pp. 394-404, Dec 2019.
- [3] M. A. Price, J. D. McEwen, X. Cai, T. D. Kitching, and LSST Dark Energy Science Collaboration, "Sparse Bayesian mass mapping with uncertainties: peak statistics and feature locations", *Monthly Notices of the Royal Astronomical Society*, vol. 489, no. 3, pp. 3236-3250, Dec. 2019.
- [4] M. A. Price, J. D. McEwen, L. Pratley, and T. D. Kitching, "Sparse Bayesian mass-mapping with uncertainties: Full sky observations on the celestial sphere", Monthly Notices of the Royal Astronomical Society, vol. 500, no. 4, pp. 5436- 5452, Jan. 2021.
- [5] M. A. Price, L. Pratley, J. D. McEwen, "Sparse image reconstruction on the sphere: a general approach with uncertainty quantification", submitted to IEEE Transactions on Image Processing, 2021, arXiv:2105.04935
- [6] M. A. Price and J. D. McEwen, "Bayesian variational regularization on the ball", submitted to IEEE Signal Processing Letters, 2021, arXiv:2105.05518