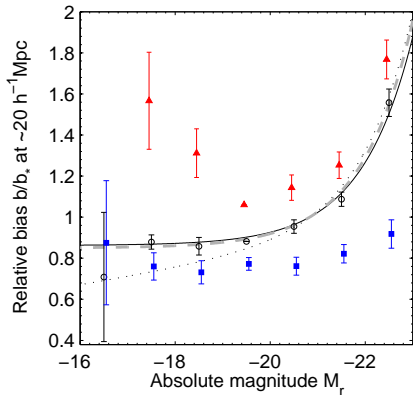


Using Galaxies as Cosmic Tracers

How much can we trust the galaxies?

MANGLE 2.0



Red and blue galaxies:

Have stochastic bias $\lesssim 20 h^{-1} \text{Mpc}$

Differ in luminosity-dependent bias

astro-ph/0702584



Update to angular mask software MANGLE:

Loads faster with no loss of accuracy

Integrated with HEALPix

[arXiv:0711.4352](https://arxiv.org/abs/0711.4352)

<http://space.mit.edu/home/tegmark/mangle>