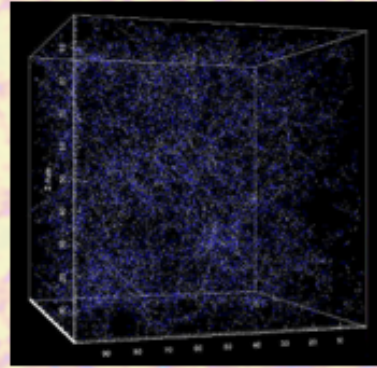


**Albert Izzard**

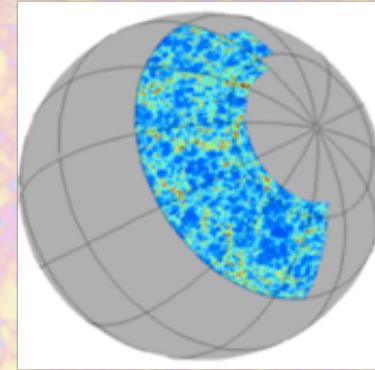
**UC Riverside / JPL**

**Efficient generation of  
mock galaxy catalogs for  
galaxy surveys**

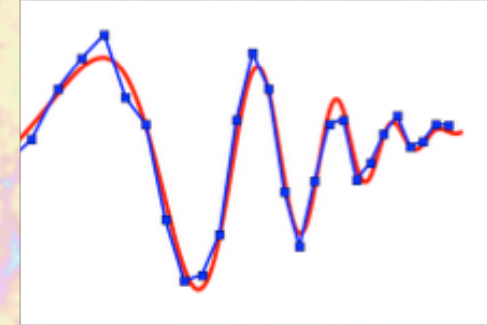
**N-body simulation**



**Realistic catalogues**



**Modelling observables**



**euclid**

What I do:

- Run fast N-body simulations
- Produce efficiently mock galaxy catalogs
- Model the halo-galaxy connection
- Study observational systematic errors

Interested in:

- Galaxy clustering
- Weak gravitational lensing
- Covariance matrices

