

Redshift Calibration for Weak Lensing Surveys

mardi 8 novembre 2022 16:35 (15 minutes)

Cosmic shear measures the (dark) matter distribution of the Universe through the weak gravitational lensing of large samples of galaxies. To probe the statistical properties of the large scale structure and estimate cosmological parameters like the dark matter density parameter, we use deep and wide optical imaging surveys. One crucial ingredient for the statistical analyses is the redshift distribution of the weak lensing sources. I will present established methods to calibrate such redshift distributions from imaging data.

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