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## Testing the cosmological principle

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The standard model of cosmology is founded on the cosmological principle which is the hypothesis of large-scale homogeneity and isotropy of the Universe. This hypothesis imposes that the rest frame of distant galaxies coincides with the rest frame of CMB. I will present some of the results we have obtained using the latest catalogues of radio galaxies and quasars which show that the cosmological principle might be violated [1,2]. I will then briefly discuss how the Rubin/LSST photometric catalog of galaxies, extending to redshifts beyond  $z \sim 2$ , could be used to check and possibly confirm the above mentioned results.

[1] <https://ui.adsabs.harvard.edu/abs/2021arXiv211008868V/abstract>

[2] <https://ui.adsabs.harvard.edu/abs/2017MNRAS.471.1045C/abstract>

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