

The extragalactic content of Gaia Data Release 3

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Abstract

Gaia observes several million extragalactic objects down to a G magnitude around 21 mag. We give an overview of the identification of quasar and galaxy candidates, as well as the estimate of the quasar redshifts, on the basis of supervised machine learning methods applied to the Gaia data, including photometry, astrometry and low resolution BP/RP (blue/red prism photometer) spectra. A composite quasar spectrum spanning restframe wavelengths from 72 to 1000 nm, based on high quality BP/RP spectra of 43 thousand high-probability quasars over the redshift range 0.05 to 4.36 is also presented.

My poster in zenodo.org can be found here