

6dFGS: Luminosity & Stellar Mass Functions

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stellar masses in galaxies, so we can estimate the stellar mass function from the K-band luminosity function...



Luminosity density in the optical and NIR

The luminosity densities in optical and NIR estimated from 6dFGS are broadly consistent with the 2dFGRS and SDSS results

 K-band luminosity density lies at lower end of range

• From optical to NIR, the variation of luminosity density with wavelength is consistent with models for an old stellar population

