

Spectral Energy Distributions of Hubble Ultra Deep Field Galaxies Across Cosmic Time

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Özet

We present spectral energy distributions (SEDs) of the galaxies in the Hubble Ultra Deep Field (HUDF) with a wavelength coverage of 11 filters spanning from the ultraviolet (UV) to the near-infrared. The galaxies in the HUDF span a range of redshifts from 0.13 up to 5.95 since the HUDF is the deepest image of the universe ever taken. We have used the GOODS/CDF-S spectroscopic redshift compilation to obtain the redshifts of the galaxies and matched 91 galaxies in the HUDF with this spectroscopic redshift catalog. Therefore, we are able to show how the SEDs of our sample from the HUDF galaxies change with cosmic time. We compare some of our SEDs with simple stellar population models (SSPs).

Anahtar Kelimeler: galaxies: evolution, Samanyolu, Galaksiler, Kozmoloji

Editör Notu:

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Erişim:

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