

P38 Broad-band analysis of the rest-frame optical SED of high-z quasars

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* Purpose

- ▶ To understand the properties of high-z quasar host galaxies through broad-band analysis of the rest-frame optical SEDs

* Analysis

- ▶ We analyzed the rest-frame optical SED with the i , z , y (HSC and other optical surveys), J (UKIDSS), and WISE data
- ▶ We fitted the model spectra (E, Im, Sbc, Scd) of galaxies, along with the quasar model, to the broad-band SEDs, and classified the host galaxies into 4 spectral types

* Results & Conclusion

- ▶ The absolute magnitudes are widely distributed around $M_{\text{quasar}} = M_{\text{galaxy}} \times 100$
- ▶ The host galaxy luminosities are distributed around the characteristic luminosity of galaxy LF at $z = 6$
- ▶ Spectral type (morphology) of the host galaxies doesn't depend on both the luminosity and the redshift of quasars

