

SimBAL: Spectral-Synthesis for Broad Absorption Line (BAL) Quasars

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- 20 ~ 40% of quasars show BAL features from quasar outflows.
- Strong quasar feedback candidate, but their physical properties are not well constrained.
- *SimBAL* models BAL quasar spectra and provides best fit parameters and the associated uncertainties.
- With *SimBAL* (and *Cloudy*), we can perform the first systematic study of BAL quasar outflows.

