SQL Search

```
-- This query does a table JOIN between the imaging (PhotoObj) a
--(SpecObj) tables and includes the necessary columns in the SEL
--the results to the SAS(Science Archive Server) for FITS file r
SELECT
p.objid,p.ra,p.dec,p.u,p.g,p.r,p.i,p.z,
p.run, p.rerun, p.camcol, p.field,
s.specobjid, s.class, s.z as redshift,
s.plate, s.mjd, s.fiberid
FROM PhotoObj AS p
JOIN SpecObj AS s ON s.bestobjid = p.objid
WHERE
  p.u BETWEEN 0 AND 19.6
  AND g BETWEEN 0 AND 20

```

Output Format ○HTML ◉CSV ○XML ○JSON

○VOTable ○FITS ○MyDB

Submit | Clear | Check Syntax | Reset

To find out more about the database schema use the **Schema Browser**.

For an introduction to the Structured Query Language (SQL), please follow the **SQL Tutorial**. In particular, please read the Optimizing Queries section. The inclusion of the imaging and spectro columns for SAS upload in your query (as in the default query on this page) will ensure that when you press Submit, the appropriate button(s) are displayed on the query results page to allow you to upload the necessary information to the SAS to retrieve the FITS file data corresponding to your CAS query. The imaging columns needed for upload to the SAS are run, rerun, camcol, and field. The spectroscopic columns needed are plate, mjd, fiberid, and optionally sprerun (the latter requires a join with the PlateX table).

Sample Queries

- Basic SQL
- SQL Jujitsu
- Miscellaneous
- Variability Queries

General Astronomy

Galaxies

Stars

Quasars

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