

Find stars with multiple measurements and with certain magnitude variations

```
SELECT  objectId
FROM    Object
WHERE   extendedParameter > 0.8 -- a star
        AND  uMag BETWEEN 1 AND 27 -- magnitudes are reasonable
        AND  gMag BETWEEN 1 AND 27
        AND  rMag BETWEEN 1 AND 27
        AND  iMag BETWEEN 1 AND 27
        AND  zMag BETWEEN 1 AND 27
        AND  yMag BETWEEN 1 AND 27
        AND  (
            -- and one of the colors is different.
            uAmplitude > .1 + ABS(uMagSigma)
            OR gAmplitude > .1 + ABS(gMagSigma)
            OR rAmplitude > .1 + ABS(rMagSigma)
            OR iAmplitude > .1 + ABS(iMagSigma)
            OR zAmplitude > .1 + ABS(zMagSigma)
            OR yAmplitude > .1 + ABS(yMagSigma));
```

This query originally came from SDSS (S-14)