

Analysis of Suprime-Cam's flat

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Summary:

- Suprime-Cam flat depends on instrument rotator angle (INR), as suggested by previous studies.
- Domeflat and twilight flat(skyflat) show similar INR dependence in i-band.
- Pattern would not be due to inhomogeneous dome light, but the pattern of optics and instrument.
- The systematic error can be up to 7%(p-p) at the edge, when different INR flat is used.
- Still unknown error of ~4% near the edge. Need further investigation.

Check poster (P11) for details.