[PGC-03] **Ultraviolet Properties of Early-type Galaxies in the Virgo Cluster**

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We present the Ultraviolet properties of a sample of early-type galaxies in Virgo cluster. We used the GALEX GR3 data in near-ultraviolet (NUV) and far-ultraviolet (FUV) passbands combined with spectro-photometric data available at other wavelengths. We obtain the photometry of objects in the GALEX mosaic fields of Virgo cluster using the Sextractor, since the GLAEX pipeline fail to detect faint galaxies even in moderately crowed images. We optimized parameters of Sextractor in order to secure complete sample of objects in this cluster. By matching with available optical catalog of Virgo cluster, we detected 1083 and 564 objects in NUV and FUV, respectively, which consist of ellipticals, lenticulars, and dwarf galaxies. Based on the UV to optical or near-infrared color magnitude relation (CMR), we confirmed discontinuity between massive and dwarf galaxies suggesting different population as FUV source between massive ellipticals and dwarf ellipticals. We found the dwarf lenticulars show distinct locus from that of dwarf ellipticals in CMR. This indicates the UV properties of dwarf lenticulars are different than those of dwarf ellipticals, suggesting a different evolution.

[PGC-04] **Optical Imaging of the AKARINEP-WIDE Survey Field**

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We present the B,R and I band photometric results of NEP-WIDE fields. The observational data were generated from June 12 to August 5, 2007 at the Maidanak Astronomical Observatory in Uzbekistan using the 1.5m telescope and the 4k x 4k CCD. We used IRAF, SExtractor and Swarp for reductions of raw data, I-band fringe pattern removal, astrometry, standard photometry calibration and mosaic of images. The photometric data will be used for identifying optical counterparts of the IR data provided by AKARI.