

Photometric Properties of Nearby Clusters of Galaxies

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We present a progress report of the photometric study of 18 nearby($z < 0.18$) rich Abell clusters of galaxies. We have obtained BVR CCD images of these clusters of galaxies using the 1.8m telescope with 2K CCD camera at Bohyunsan Optical Astronomy Observatory(BOAO). Color-magnitude diagrams of most of the clusters show well-defined color-magnitude relation(CMR) of early-type galaxies. Variations of spatial distribution and luminosity function(LF) depending on the morphological types of galaxies are also investigated.