A K-BAND LUMINOSITY FUNCTION OF HICKSON COMPACT GROUPS OF GALAXIES

S. NISHIURA, T. MURAYAMA AND Y. TANIGUCHI Astronomical Institute, Tohoku University

Y. SATO ISAS and VILSPA

AND

D.B. SANDERS Institute for Astronomy, University of Hawaii



Figure 1. A K-band luminosity function of Hickson Compact Groups of Galaxies. The data were obtained at the University of Hawaii Planetary Patrol 24 inch telescope with a NICMOS3 camera. The K-band luminosity function of field ellipticals are derived from the data in Faber et al. (1989, ApJS, **69**, 763). We adopted 4.19 mag. as $(B - K)_{\rm T}^{\rm O}$ of ellipticals (as estimated from Govazzi & Boselli 1996, Astro. Lett. & Comm., **35**, 1)