

[P33] **Photometric study on old open clusters with 1.5m telescope of Mt. Maidanak Observatory in Uzbekistan**

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The old open clusters are excellent probes of the structure and early disk evolution of the Galaxy. There are many old open cluster candidates but relatively small number of clusters have been studied. The oldest open cluster have the age of the youngest globular cluster. That means the disk star formation had begun before halo formation was ceased. The photometric studies of these old open cluster can give the clues on the first stage of disk formation. However these clusters frequently have severe field star contamination, that prevents studying these clusters from photometric study. We intend to distinguish the members from field stars by further spectroscopic study for radial velocity and composition.

Mt. Maidanak Observatory (longitude=66°53' latitude=38°40' altitude=2593m) in Uzbekistan has not a only very good seeing (~0.67" median), but also a good weather especially in summer season. Most open clusters which can be observed in summer season have not been observed before because of rainy summer weather in most northern observatories.

We present the preliminary results of observation for old open cluster Saurer 6 which observed in Aug 2004. BVI magnitudes were obtained using IRAF/DAOPHOT.

[P34] **New δ Scuti Type Variable Star : GSC 03665-00576**

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부산과학영재학교 천문대의 130mm 굴절 망원경을 이용하여 2003년 11월 17일에 관측한 시계열자료에서 새로운 field delta Scuti형 변광성을 발견하였다. 이 변광성은 2003년 12월 30일부터 2004년 1월 5일 사이에 5일 밤을 보현산천문대 1.8m 망원경으로 확인관측 결과 $f_1=11.963$ cycle/day, $f_2=6.576$ cycle/day 의 주기가 검출되었으며, V, I 진폭비가 약 0.6으로 나타나 맥동변광성임을 알 수 있었다.