

OPEN CLUSTER ANALYSES AT KPNO

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ABSTRACT

For some years now, we have been slowly accumulating uvby, β data on numerous open clusters, with the various telescopes and photometers at KPNO. Analysis of the data, when combined with available UBV and MK data, has been done for most individual cluster stars. Such data and analyses have been published for most clusters and are in preparation for a few others.

The data have been used to help calibrate the uvby, β indices in terms of intrinsic color and absolute magnitude:

B stars: Crawford: (1975)
A stars: Crawford: (1979)
F stars: Crawford: (1975)
A0 stars: Strömgen: (1966)

Details of the techniques are given in the referenced papers.

Examples of usage in open clusters are found in the above-mentioned papers on the clusters, for example, Crawford and Perry (1976) on the Pleiades cluster.

REFERENCES

- Crawford, D.L.: 1975, *Astron. J.* 80, 955.
Crawford, D.L.: 1978, *Ibid.* 83, 48.
Crawford, D.L.: 1979 (in press).
Crawford, D.L. and Perry, C.: 1976, *Astron. J.*, 81, 419.
Strömgen, B.: 1966, *Ann. Rev. Astron. Astrophys.* 4, 433.