

Research Title	U B V R I Standard Sequence Analysis of Stars in the North Celestial Pole Region		
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Abstract

The purpose in this research is to analyse the U B V R I standard sequence of some stars in the North Polar Region. The author has chosen 17 program stars which magnitude lies between 3-7 in the observations. The instruments used is the 16-inch Cassigrain Reflecting Telescope of the Chiang Mai University Observatory and the SSP-3 photometer with the UBVRT filters for observing and evaluating the true apparent magnitude of each program star. The observations was made during January-February 1992 by using 68-Tau and 8-Tau as standard stars. The observational data obtained were saved into 7 data files on the computer ,but only 4 best data files were slected for analysing.

The result gives the true apparent magnitude of the program stars which errors of measurements are as follows.

Ultraviolet band	1.0 %	Blue band	0.2 %
Yellow band	0.3 %	Red band	1.9 %
Infrared band	1.4 %		

The U B V R I magnitudes of program stars obtained in the research can be used as standard references in photoelectric photometry research in the future.