

**DETERMINATION OF THE EFFECTIVE TEMPERATURES OF HE-WEAK AND HE-RICH
STARS USING METHOD OF CRITERIONS OF SPECTRAL CLASSIFICATION**

YU.A.GVOZD*, G.P.TOPILSKAJA**

* Rostov University, 344104, Rostov-on-Don, Russia

** Special Astrophysical Observatory of the Russian AS,
Nizhnij Arkhyz 357147, Russia

ABSTRACT. *Effective temperatures are determined using a method of criterions of spectral classification and are based on results obtained on the Main Stellar Spectrograph of the 6-m telescope at the Special Astrophysical Observatory with $D = 9$ A/mm for 27 He-weak and 16 He-rich stars. Accuracy of determination of T_e is no worse than 800 K for He-weak stars and 1800 K for He-rich ones. Comparisons of T_e with the results of other authors say that this method can be used for determination of T_e of anomalous objects.*

We attempted revealing most characteristic anomalies of the chemical composition of these stars.