## QUANTITATIVE SPECTRAL PECULIARITY INDEXES OF CP STARS

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## ABSTRACT

The quantitative spectral peculiarity indexes P are determined for 160 chemically peculiar stas of the upper Main Sequence within the spectral type interval B2-A9 (22000>T >7500K) from the selected ion lints Sill, Mnll, Srll, Crll and EuII.

Dependences for each of indexes upon the spectral type Sp (effective temperature T) are studied for the used sample of Cp stars. The temperature boundaries of appearance and disappearance for each of these peculiarities are found, the main features of P indexes behaviour along the temperature sequence are considered.

A preliminary analysis is made of correlations between indexes for each ions considered. It is shown that the whole family of CP stars consists of several groups, and each of the last ones along with general simultaneous lint strengthening of all the anomalous elements hat its own extra P strengthening for one (two) of these elements, expressed at different degrees. The scale and relative frequency of such "superpeculiarities" depend on properties of every of particular elements and vary along temperature sequence. This surplus strengthening especially reveals for the group of manganese stars.

These results ought to be taken into account at the future development and observational testing of any of hypothesis which deal with the mechanisms of origin and directions of evolution of anomalous chemical composition of Cp star atmospheres.