ON THE ENERGY OF DIFFERENT POWER FLARE PHOTOSPHERE

N.N. Kondrashova and K.G. Rudnikova

Astronomical Observatory of Kyiv National Taras Shevchenko University, Kyiv, Ukraine

We present the results of analysis of the response of the photospheric layers on the flare disturbance.The series of 19 spectra were used for modelling of photosphere physical condition during the flares with different power. It was obtained the temperature variations were the largest in the upper photosphere where the temperature excess reached 700-800 K. The enhancement of the turbulent velocity by 3.5 km/c in the same layers of powerful flares was found. The additional energy deposition was estimated in the flare photospheric layers.