



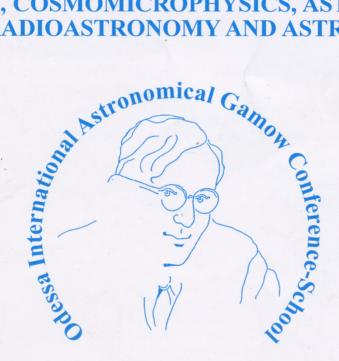


## 5-th Gamow Memorial International Conference dedicated to 111-th anniversary of George Gamow

## ASTROPHYSICS AND COSMOLOGY AFTER GAMOW: PROGRESS AND PERSPECTIVES

and

15-th Odessa International Astronomical Gamow Conference-School ASTRONOMY AND BEYOND: ASTROPHYSICS, COSMOLOGY, COSMOMICROPHYSICS, ASTROPARTICLE PHYSICS, RADIOASTRONOMY AND ASTROBIOLOGY



## PROGRAM AND ABSTRACTS

August 16-23, 2015 Odessa, Ukraine

## THE COMPILE CATALOGUE OF PHOTOVOLTAIC UBVR MAGNITUDES OF STARS IN THE TYCHO2 SYSTEM

In order to calibrate the images of astronomical photoplates from the archive of UkrVO was created the compiled catalog of photovoltaic UBVR magnitudes of stars. It was based on: the catalog of 13,587 WBVR magnitudes of stars by Kornilov V.G. at al. (1991), the catalog of 68,540 UBV magnitudes of stars by Mermilliod J.C. (1991) and the catalog of 1,141 UBVR magnitudes of stars by Andruk V.M. at al. (1995). All original coordinates have the different epoch and equinox. We have made crossreference of these stars in the Tycho-2 catalog and received the new one on the epoch and equinox of J2000.0.