

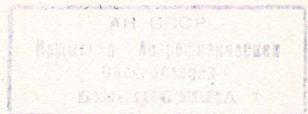
Contents

VOLUME 66

1933

BULLETIN OF THE CRIMEAN ASTROPHYSICAL OBSERVATORY
(USSR ACADEMY OF SCIENCES)

PAGES
RUSSIAN/ENGLISH



A study of solar global oscillations. II. Results of observations in 1974-1980, their analysis, and some conclusions. V. A. Kotov, A. B. Severnyi, and T. T. Tsap.....	1	3	1
Analogy between the method of superimposed epochs and the Fourier transform. Effect of signal trend on highly-sampled data processing. V. I. Abramenko and D. N. Rachkovskii.....		71	62
The velocity field in a sunspot. S. I. Gopasyuk.....		77	69
On the equilibrium between total pressure in a sunspot and the pressure in the ambient photosphere. M. Dzh. Guseinov.....		83	75
Linear polarization of some solar emission features. A. N. Babin and A. N. Koval.....		89	81
Association between arc filaments and flares. M. B. Ogir.....		102	93
Time variations of the interplanetary and solar magnetic fields. V. A. Kotov and L. S. Levitskii.....		110	100
Spectroscopy of the sun using a fast infrared film. The He I $\lambda 10830 \text{ \AA}$ line. Z. A. Shcherbakova, A. G. Shcherbakov, B. I. Shapiro, and A. S. Heinman.....		119	109
Detailed analysis of F-type supergiants. II. Distribution of microturbulence and element abundance in the atmosphere of ρ Cas. A. A. Boyarchuk and L. S. Lyubimkov.....		130	119
Qualitative analysis of the atmospheres of two "metallic-line" stars. I. S. Savanov.....		139	128
Periodic variations in the spectrum of X Persei, identified with the X-ray source 3U 0352 + 30. II. T. S. Galkina.....		149	138
K (Ca II) and H_{γ} variability of the Ap stars 53 Cam 41 Tau, β CrB and α^2 CVn. V. M. Kuvshinov and S. I. Plachinda.....		154	144
Absolute spectrophotometry of binary stars. B. I. Burnashev.....		162	152
Television photometry of Nova Cygni 1975 (V1500 Cyg) performed quasi-simultaneously in a number of spectral regions. A. N. Abramenko and E. P. Pavelenko.....		183	167
Possible classification of pulsars and the nature of gamma-sources. B. M. Vladimirkii.....		192	175
High-frequency spectra of extragalactic radio sources. V. A. Efanov, I. G. Moiseev, and N. S. Nesterov.....		205	187
Comparison of the properties of different implementations of a given photometric system and allowance for atmospheric extinction in heterochromatic stellar photometry. V. B. Nikonov and V. I. Burnashev.....		210	191
200-Channel spectrometer at the Crimean Astrophysical Observatory of the USSR Academy of Sciences. A. N. Abramenko, Yu. S. Aleksandrin, V. V. Prokof'eva, and V. N. Yakushin.....		218	200
A method of separating Cherenkov gamma-ray flashes from the proton-nuclear component of cosmic rays. A. A. Stepanyan, V. P. Fomin, and B. M. Vladimirkii.....		234	213
Parasitic-signal compensation in radiometers. V. A. Efanov.....		241	220
A fast mirror and lens system for observations in the ultraviolet. G. M. Popov.....		245	224