

Contents

VOLUME 63

1 1981

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

PAGES
RUSSIAN/ENGLISH

| | | | |
|--|-----|-----|--|
| Annual variation of the mean magnetic field of the sun. | | | |
| V. A. Kotov, L. S. Levitskii, and N. N. Stepanyan..... | 3 | 1 | |
| Quasiperiodic oscillations in the solar atmosphere. | | | |
| A. G. Kosovichev and Yu. P. Popov..... | 15 | 15 | |
| The structure of the magnetic field and its evolution in the neighborhood of sunspots. S. I. Gopasyuk and L. G. Kartashova..... | 25 | 27 | |
| Structure of the magnetic field and flare activity in the active region McMath 9740 (October 1968). M. B. Ogir and T. T. Tsap..... | 46 | 48 | |
| Spectrophotometric study of three F8 supergiants. | | | |
| A. A. Boyarchuk and M. E. Boyarchuk..... | 66 | 68 | |
| Spectroscopic observations of HD 206267 and its possible identification with the x-ray source Cep X-4. | | | |
| T. S. Galkina..... | 86 | 89 | |
| A spectrophotometric study of the T Taurus star AS 353. | | | |
| V. I. Krasnobabtsev..... | 93 | 96 | |
| Absolute spectrophotometry of v Sgr. V. I. Burnashev..... | 104 | 109 | |
| Polarimetric observations of white dwarfs. Yu. S. Efimov..... | 118 | 124 | |
| Photometric television observations of ten peculiar extragalactic objects. L. P. Metik and V. V. Prokof'eva..... | 140 | 148 | |
| Possible nature of the gamma-source SG 195 + 4. | | | |
| B. M. Vladimirovskii..... | 146 | 155 | |
| ¹² 10 eV radiation from the X-ray source Cyg X-3 observed at Tien Shan in 1977 and 1978. Dzh. B. Mukanov..... | 151 | 161 | |
| A possible variation in the 4.8-hr period of Cyg X-3. | | | |
| Yu. I. Neshpor and Yu. L. Zyskin..... | 157 | 166 | |
| 25-m optical telescope with a mosaic main mirror. | | | |
| N. V. Steshenko..... | 161 | 170 | |
| Possible optical design of a telescope with a spherical main mirror 20-25 m diameter. B. A. Burnasheva, | | | |
| R. E. Gershberg, V. I. Pronik, and N. V. Steshenko..... | 166 | 176 | |
| Examination of concave and convex aspherical mirrors with a T-shaped spherometer. R. E. Gershberg and V. I. Pronik..... | 171 | 182 | |
| Computation of the profile of a surface accurately corrected for spherical aberration on the axis in a centered optical system. G. M. Popov..... | 180 | 194 | |
| Computation of polarization parameters of systems by the symbolic method. D. N. Rachkovskii, V. I. Abramenco, and L. I. Tsvetkov..... | 189 | 205 | |
| Deposition of new reflecting layers on mirrors during extra-atmospheric experiments. A. V. Bruns..... | 197 | 216 | |
| Test runs on the five-channel spectrophotometer on the AZT-8 telescope. A. B. Bukach..... | 204 | 224 | |