

Contents

VOLUME 71

1985

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

PAGES
RUSSIAN/ENGLISH

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| Solar oscillations with a 160-min period and other long period solar oscillations: analysis of the power spectrum of nine-year observations and their interpretation. A. B. Severnyi, V. A. Kotov, and T. T. Tsap..... | 3 | 1 |
| 160-Minute AE-index pulsations probably due to solar pulsations. V. P. Bobova, B. M. Vladimirkii, and M. I. Pudovkin..... | 19 | 16 |
| Effects of quasiperiodicity on the significance in processing astronomical data by the superposed epoch method. D. N. Rachkovskii..... | 25 | 23 |
| Unbalance in the Sun's general magnetic field: anomalies in the interplanetary magnetic field in 1970-1981. V. A. Kotov and L. S. Levitskii..... | 32 | 31 |
| Infrared hydrogen and helium lines in flare spectra. E. A. Baranovskii and Z. A. Shcherbakova..... | 54 | 52 |
| Background magnetic fields and solar activity. N. N. Stepanyan..... | 62 | 60 |
| Morphology of the fine structure of an active region in H _α light. L. G. Kartashova..... | 68 | 67 |
| Magnetic field testing from the line-ratio method outside active solar regions. D. N. Rachkovskii and T. T. Tsap..... | 79 | 80 |
| Burst-length distribution and burst-component spectrum of solar noise storms. Yu. F. Yurovskii..... | 87 | 87 |
| Structure of an active region at 1.35-cm wavelength indicated by the eclipse observations of 15 December 1982. V. A. Efanov, I. G. Moiseev, and N. S. Nesterov..... | 100 | 100 |
| 160-Minute solar brightness oscillations at millimeter wavelengths. N. S. Nesterov..... | 104 | 105 |
| Regular spectral and photometric observations on RW Aurigae. Part 1. Balmer-line variability. V. P. Grinin, P. P. Petrov, and N. I. Shakhovskaya..... | 109 | 111 |
| Atmospheres of δ Scuti-type pulsating stars. Part 1. Spectra of 20 CVn and δ Del. L. S. Lyubimkov and T. M. Rachkovskaya..... | 127 | 128 |
| A model-atmosphere study of the hot Am star 43 Peg. I. S. Savanov..... | 144 | 147 |
| A spectroscopic study of the supergiant ρ Leo (B1 Ib). Z. K. Ivanova and B. Zh. Kovachev..... | 153 | 156 |
| Fast fluctuations in the emission spectrum of the nucleus of the peculiar galaxy NGC 1275. Part 2. N. I. Merkulova and I. I. Pronik.... | 160 | 164 |
| A ring aspherometer for testing aspheric surfaces in astronomical optics. G. M. Popov and M. B. Popova..... | 174 | 177 |
| Effects of azimuthal telescope mounting on drive choice. V. G. Shitov..... | 180 | 184 |