

CONTENTS

I. I. Balega, Yu. Yu. Balega, J. J. McManus. Interferometric orbits of four binary stars..... 5

I. I. Balega, Yu. Yu. Balega, I. N. Belkin, V. A. Vasyuk, A. F. Maximov. Television speckle interferometry of binary stars at the Zeiss-1000 telescope..... 9

J. A. Stepanian, V. A. Lipovetsky, L. K. Erastova, A. I. Shapovalova, M. B. Gulzadian. The slit spectra of galaxies of the Second Byurakan Sky Survey. V..... 15

J. A. Stepanian, V. A. Lipovetsky, L. K. Erastova, A. I. Shapovalova, C. A. Hakopian. The slit spectra of galaxies of the Second Byurakan Sky Survey. VI..... 24

J. A. Stepanian, V. A. Lipovetsky, L. K. Erastova, M. B. Gulzadian, Yu. I. Izotov, N. G. Guseva. The slit spectra of galaxies of the Second Byurakan Sky Survey. VII..... 32

J. A. Stepanian, V. A. Lipovetsky, L. K. Erastova, C. A. Hakopian, Yu. I. Izotov, N. G. Guseva. The slit spectra of galaxies of the Second Byurakan Sky Survey. VIII..... 38

I. S. Balinskaya, O. K. Sil'chenko. The evolutionary synthesis of integrated galactic spectra..... 43

I. M. Yankoulova, V. K. Golev, G. T. Petrov. An evidence for enhanced star formation rate in IRAS-detected Arakelian galaxies..... 60

S. A. Pyatkes. Spectroscopic observations of extremely young Hg-Mn star HD 47553 - member of open stellar cluster NGC 2264..... 76

V. V. Vlasyuk. Echelle spectrometer of moderate resolution for the 6 m telescope: reduction of spectra of extragalactic objects..... 82

V. V. Vlasyuk, O. I. Spiridonova. The night-sky emission spectrum in the range 3100-7700 Å obtained with the moderate resolution echelle spectrometer of the 6 m telescope..... 91

V. G. Shtol'. Hydrogen magnetometer of the 6 m telescope. 2. Some systematic errors and magnetic sensitivity coefficient..... 114

A. F. Dravskikh, Z. V. Dravskikh. On redshift determination from radio recombination lines..... 124

A. Kh. Rzaev. Spectroscopic study of pulsation-type quasi-periodic

motions in early supergiant atmospheres. II. HD 21291.	
Radial velocity variations.....	130
E.K. Majorova, N.A. Nizhelsky, S.A. Trushkin, P.G. Tsybulyov. A study of characteristics of the RATAN-600 radio telescope equipped with anti-noise screens.....	148
A.S. Morozov, S.K. Kruglov. Multichannel digital synchronous integrator.....	155