

CONTENTS

DEPRESSION IN THE CONTINUOUS SPECTRUM OF SOLAR RADIATION IN THE REGION 6500–8200Å Stelmakh O.M., Tyshko N.L.	5
THE STUDY OF TIMING RELATIONSHIPS WHICH ARISE WHEN USING A TELEVISION CCD CAMERA WATEC WAT-902H2 SUPREME IN ASTRONOMICAL INVESTIGATIONS Dragomiretsky V.V., Ryabov A.V., Koshkin N.I.	10
10 NEW VARIABLE STARS DETECTED BY CRTS Galinskiy A., Dubrouski S., Baluk I.	13
THE QUANTITY AND QUALITY OF OBSERVATIONAL NIGHTS MONITORED WITH USING THE ASTRONOMICAL INSTRUMENTS AT THE SUBURBAN OBSERVATION STATIONS OF ASTRONOMICAL OBSERVATORY OF ODESSA NATIONAL UNIVERSITY Kashuba S.G., Gorbanev Yu.M., Andrievsky S.M., Marsakova V.I., Troianskyi V.V.	16
GRAVITATIONAL COLLAPSE OF STARS AND THE METHODS OF ITS OBSERVATIONS Kryvdyk V.G.	21
A STUDY OF MASS LOSS AND DUST FORMATION NEAR HOT STARS Kuratov K.S., Miroshnichenko A.S., Kusakin A.V., Alimgazinova N.Sh., Nuryzbaeva A.Zh., Manapbaeva A.B., Kuratova A.K.	30
IRAS22150+6190: A POORLY STUDIED YOUNG STAR Kuratov K.S., Zakhzhay O.V., Miroshnichenko A.S., Zakhzhay V.A.	34
SPECTROSCOPIC VARIABILITY OF THE SUPERGIANTS HD21389 AND HD187982 Maharramov Y.M., Baloglanov A.Sh.	39
THE ELEMENTS OF THE BASIC PHOTOMETRICAL CIRCLES ON THE SURFACE OF THE SPHERICAL PLANET AND DETERMINATION OF THEIR PLANETOCENTRIC POSITIONS Mikhalchuk V.V.	46
THE SULPHUR ABUNDANCE BEHAVIOUR IN THE GALACTIC DISC STARS Mishenina T.V., Paramonova O.P.	50
ATMOSPHERIC OZONE PROFILES DURING VASYLKIV OIL BURNING EPISODE Shavrina A., Veles A., Milinevsky G., Grytsai A., Liptuga A., Kyslyi V., Romanyuk Ya.	55
ABOUT THE NATURE OF METEOR FLARES Smirnov V.A.	58
THE PHYSICAL MEANING OF THE TITIUS-BODE FORMULA Smirnov V.A.	62
IDENTIFICATION OF GEOSTATIONARY SATELLITES BY THEIR PHOTOMETRIC AND DYNAMIC FEATURES, SOME PROBLEMS Sukhov P.P., Sukhov K.P.	65
ON THE HEURISTIC RULE FOR PLANETARY DISTANCE DISTRIBUTION Svyazhyn N.D.	69

THE SOLAR-RADIATION PRESSURE EFFECTS ON THE ORBITAL EVOLUTION OF ASTEROID MOONS Troianskyi V.V., Bazyey O.A.	76
H α LINE AS AN INDICATOR OF ENVELOPE PRESENCE AROUND THE CEPHEID POLARIS Aa (α UMi) Usenko I.A., Miroshnichenko A.S., Klochkova V.G., TavoZhanskaya N.S.	78
MODEL OF DEGENERATE DWARF WITH SPIN-POLARIZED ELECTRON SYSTEM Vavruk M.V., Dzikovskyi D.V., Tyshko N.L.	82
ANALYSIS OF SELF - GRAVITATING PLANETARY SATELLITES IN THE SOLAR SYSTEM Yasenev S.O.	88
LIGHT POLLUTION IN LEO-SATELLITE TRACKING Shakun L.S., Marsakova V.I., Golubovskaya T.A., Terpan S.S., Melikyants S.M., Korobeynikova E.A.	91
THE 15 th ANNIVERSARY OF THE ODESSA BRANCH OF THE ISAAC NEWTON INSTITUTE (INI) Kovtyukh V.	95