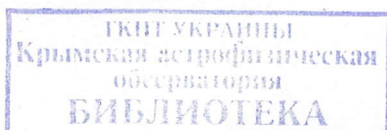


CONTENTS

VOLUME 95

1999

BULLETIN OF THE CRIMEAN ASTROPHYSICAL OBSERVATORY



PAGES
RUSSIAN/ENGLISH

2

Is the 160-minute mode of oscillation of the sun returning? V. A. Kotov, V. I. Khaneichuk, and T. T. Tsap	5	1
Magnetic fields of bright umbral points of sunspots. M. Dzh. Guseinov	14	9
Use of integrated parameters for routine forecasting of solar flares. E. V. Malanushenko, N. N. Stepanian, and N. B. Ograpishvili	21	14
Periodicity of type III solar radio bursts. Yu. F. Yurovskii and A. Magun	27	20
Gasdynamic effects in radio emission of solar flares. V. A. Kovalev	43	34
Structure of the nucleus of Seyfert galaxy NGC 1275 according to optical observations. I. I. Pronik	55	45
Results of observations of gamma-ray source Cas γ -1 in 1992-1993. N. N. Chalenko, B. M. Vladimirkii, Yu. L. Zyskin, O. R. Kalekin, A. P. Kornienko, Yu. I. Neshpor, A. A. Stepanyan, V. P. Fomin, and V. G. Shitov	70	58
✓ Evolution and slowing of the rotation of neutron stars: magnetic dipole radiation of braking by currents? A. P. Kornienko and B. M. Vladimirkii	75	62
Observations of spotted red dwarf stars at the Crimean Astrophysical Observatory. I. Yu. Alekseev	83	69
✓ Consideration of interstellar absorption during stellar spectrophotometry. V. I. Burnashev	91	76
✓ Exact method of calculating nonflat reflection gratings. G. M. Popov	153	132
A method of checking concave aspherical mirrors of large telescopes. G. M. Popov and V. I. Pronik	161	140
✓ Method of estimating the energy threshold of the GT-48 gamma-ray telescope. O. R. Kalekin	167	146
Optimization of the optical systems of ground-based second-generation gamma-ray telescopes. V. P. Fomin	173	151
✓ Modernization of the clock drive of the 2.6-m Shain telescope. N. N. Okhmat and V. F. Bondar	180	157
✓ Design, manufacture, and investigation of the RC-800 telescope optics. B. A. Burnasheva, V. I. Burnashev, V. P. Zhuravel, E. A. Vitrichenko, and D. D. Dyachenko	183	160

(continued)

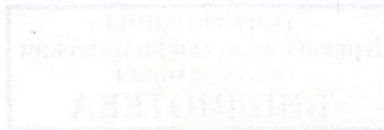
Wide-field plate archive of the Crimean Astrophysical Observatory.

N. I. Bondar	195	170
Card file of articles published in 1975-1997 on ultraviolet spectra of celestial bodies. P. P. Dobronravin	200	174

1998

VOLUME 32

BULLETIN OF THE CRIMEAN ASTROPHYSICAL OBSERVATORY



PAGES
RUSSIAN/ENGLISH

1	2	Is the 100-minute mode of oscillation of the sun returning? V. A. Kotov
9	14	V. I. Kabanichuk, and T. T. Tsap
14	21	Magnetic fields of bright central parts of sunspots. M. Dzh. Guseinov
20	27	Use of integrated parameters for routine forecasting of solar flares
24	31	E. V. Matashechenko, N. N. Stepanov, and N. B. Gerasimov
27	34	Periodicity of type III solar radio bursts. Yu. F. Yarovskii
34	41	and A. Magun
42	49	Gasdynamic effects in radio emission of solar flares. V. A. Kovalev
45	52	Parameters of the nucleus of Seyfert galaxy NGC 1275 according to optical observations. I. I. Pronik
50	57	Results of observations of gamma-ray source Cas γ-1 in 1992-1993
58	65	N. N. Chalenko, B. M. Vvedenskii, Yu. I. Zyskin, O. R. Kalakin, A. P. Korienko, Yu. I. Neshpor, A. A. Stepanov, V. P. Ponnin, and V. G. Shitov
63	70	Evolution and slowing of the rotation of neutron stars: magnetic dipole radiation of braking by currents? A. P. Korienko
69	76	and B. M. Vvedenskii
76	83	Observations of spotted red dwarf stars at the Crimean Astrophysical Observatory. I. Yu. Alekseev
83	90	Consideration of interstellar absorption during stellar spectrophotometry
91	98	V. I. Bunashov
103	110	Exact method of calculating nonflat reflection gratings. G. M. Popov
110	117	A method of checking concave aspherical mirrors of large telescopes
117	124	G. M. Popov and V. I. Pronik
124	131	Method of estimating the energy threshold of the GT-48 gamma-ray telescope
131	138	O. R. Kalakin
138	145	Optimization of the optical systems of ground-based second-generation gamma-ray telescopes. V. P. Ponnin
145	152	Modernization of the clock drive of the 2.6-m Shajn telescope. M. N. Okunin
152	159	and V. F. Bondar
159	166	Design, manufacture, and investigation of the RC-800 telescope optics
166	173	B. A. Burashev, V. I. Burashev, V. P. Zhuravlev, E. A. Vitshchak, and D. D. Dychenko
173	180	
180	187	
187	194	
194	201	
201	208	
208	215	
215	222	
222	229	
229	236	
236	243	
243	250	
250	257	
257	264	
264	271	
271	278	
278	285	
285	292	
292	299	
299	306	
306	313	
313	320	
320	327	
327	334	
334	341	
341	348	
348	355	
355	362	
362	369	
369	376	
376	383	
383	390	
390	397	
397	404	
404	411	
411	418	
418	425	
425	432	
432	439	
439	446	
446	453	
453	460	
460	467	
467	474	
474	481	
481	488	
488	495	
495	502	
502	509	
509	516	
516	523	
523	530	
530	537	
537	544	
544	551	
551	558	
558	565	
565	572	
572	579	
579	586	
586	593	
593	600	
600	607	
607	614	
614	621	
621	628	
628	635	
635	642	
642	649	
649	656	
656	663	
663	670	
670	677	
677	684	
684	691	
691	698	
698	705	
705	712	
712	719	
719	726	
726	733	
733	740	
740	747	
747	754	
754	761	
761	768	
768	775	
775	782	
782	789	
789	796	
796	803	
803	810	
810	817	
817	824	
824	831	
831	838	
838	845	
845	852	
852	859	
859	866	
866	873	
873	880	
880	887	
887	894	
894	901	
901	908	
908	915	
915	922	
922	929	
929	936	
936	943	
943	950	
950	957	
957	964	
964	971	
971	978	
978	985	
985	992	
992	999	