

Publications year: 2007

1. Apostolovska, G. Ivanova, V. Bilkina. B., Observations of comets. *MPC* 2007-Q28, 2007 Aug. 26
2. Bachev, R. S., Tracing quasar accretion rates at higher red shifts, 2007, *Bulg. J. Phys.*, **34(2)**, 275-277
3. Bilkina, B., Observations of small asteroids. *MPC* 2007-B43, 2007 Jan 25.
4. Bilkina, B., Observations of small asteroids. *MPC* 2007-J20, 2007 May 5.
5. Bilkina, B., Ivanova. V., Observations of minor planets. *MPC* 2007-K70, 2007 May 31.
6. Bilkina, B. Apostolovska. G., Observations of minor planets. *MPC* 2007-P12, 2007 Aug. 4.
7. Bilkina, B. Apostolovska. G., Observations of comets. *MPC* 2007-P27, 2007 Aug.10
8. Bilkina, B. Apostolovska. G., Observations of comets. *MPC* 2007-P33, 2007 Aug.10.
9. Boehnhardt, H., Pompei, E., Tozzi, G. P., Hainaut, O., Ageorges, N., Bag-nulo, S., Barrera, L., Bonev, T., Kaufl, H. U., Kerber, F., Locurto, G., Marco, O., Pantin, E., Rauer, H., Saviane, I., Selman, F., Sterken, C., Weiler: M., Broad- and narrowband visible imaging of comet 9P/Tempel 1 at ESO around the time of the Deep Impact event. 2007, *A&A*, **470**, 1175–1183
10. Boeva, S., Zamanov, R. K., Antov, A., Bachev, R., Georgiev, Ts., BVRcIc observations of the flickering in the cataclysmic variable KR Aur, 2007, *Bulg. Astr. J.*, **9**, 11-16
11. Bonev, T., Bilkina, B., Borisov, G., Donchev, Z., Ivanova, A., Ivanova, V., Jockers, K., Kostov, A., Krumov, V., Ovcharov, E., Photometry of the split comet, 73P/Schwassmann-Wachmann 3 from November 2005 to April 2006, 2007, *Bulg. J. Phys.*, **34(2)**, 282-286
12. Borisov, G., Bonev, T., Structures in the Coma of Comet C/NEAT (2001 Q4): Observations and Models, 2007, *Bulg. J. Phys.*, **34(2)**, 139-147
13. Borisov, B., Shkodrov V., On the Movement of the Asteroid 108 Hecuba, 2007, *Bulg. J. Phys.*, **34(2)**, 294-302
14. Borisova, A. P., Tsvetkov, M. K., Tsvetkova, K. P., Innis, J. L., Photometric Study of Three Variable Stars:YY Men, YZ Men and UX Men from the Bamberg Observatory Southern Sky Survey, 2007, *Bulg. J. Phys.*, **34(2)**, 214-222
15. Böttcher, M., Basu, S., Joshi, M., ... , Bachev, R., ... , Strigachev, A., et al., The WEBT Campaign on the Blazar 3C 279 in 2006, 2007, *ApJ*, **670**, 968-977
16. Cvetkovic, Z., Pavlovic, R., Strigachev, A., Novakovic, B., Popovic, G. M., CCD Measurements of Double and Multiple Stars at NAO Rozhen. III, 2007, *Ser. Astr. J.*, **174**, 83-88
17. Dechev, M., Duchlev, P., Koleva, K., Kokotaneikova, J., An Interesting Case of Eruptive Prominence on 8 June 1980, 2007, *Bulg. J. Phys.*, **34(2)**, 248-254
18. Draganova, N., Georgiev, T., Velchev, T., Photometric decomposition of 3 early type dwarf galaxies in Virgo, 2007, *Bulg. J. Phys.*, **34(2)**, 303-309

Publications year: 2007

19. Duchlev, P., Koleva, K., Dechev, M., Kokotaneikova, J., Evolution and Dynamics of an Eruptive Prominence on September 20, 1980, 2007, *Bulg. J. Phys.*, **34(2)**, 310-314
20. Dimitrov, D., Popov, V., Variable Stars in NSVS Database I. 86 New Variables in Andromeda, 2007, *Perem. Zvezdy*, **27**, No 2
21. Gogosheva, Ts., Grigorieva, V., Mendeva, B., Krastev, D., Petkov, B., Solardynamics influence on the atmospheric ozone, 2007, *Comp. Ren. Acad. Bul. Sci.*, **60(8)**, 835-
22. Fr?mat, Y., Lampens, P., van Cauteren, P., Kleidis, S., Gazeas, K., Niarchos, P., Neiner, C., Dimitrov, D., Cuypers, J., Montalb?n, J., De Cat, P., Robertson, C. W., Search for pulsation among suspected A-type binaries and the new multiperiodic ? ?Scuti star HD 217860, 2007, *A&A.*, **471**, 675-686
23. Hatzidimitriou, D., Burwitz, V., Pietsch, W., Strigachev, A., Reig, P., Papamastorakis, I., Optical Nova Candidate in M31, 2007, *ATel.*, No.1206
24. Hegedus, T., Latkovic, O., Markov, H., Vince, I., Cseki, A., Nuspl, J., Markova, N., Rovithis-Livaniou, E., Vinko, Ceseb: a Report on Latest Results 2007, *Odessa Astr. Pub.*, **20**, 76
25. Ilchev, L., Parov, I., Deshev, B., Georgiev, Ts., Nedialkov, P., RAPS – Radio Astronomy Projects in Sofia, 2007, *Bulg. J. Phys.*, **34(2)**, 196-200
26. Ilic D., Tsvetkov M. K., Tsvetkova M. K., Stavrev K.Y., Popovic L.C., A Study of the Spectral Characteristics of AGN: Mrk 817 and Mrk 1040, 2007, *Bulg. J. Phys.*, **34(2)**, 192-195
27. Iliev, L. Kubsky, P. Kubat, J. Kawka, A., Recent Development of the Current Be-Phase of Pleione, 2007, *ASP Conf. Ser.*, **361**, 440
28. Ininis, J., Coates, D., Kayc, W., Borisova, A., Tsvetkov, M., Archival Photographic Light Curves of the red Semiregular Star CPD – 80966 (1964 – 1976), and Modern CCD Multicolor Photometry, 2007, *Peremennye Zvezdy*, **27**, No 4.
29. Kolev, D., Mikolajewski, M., Tomov, T., Antov, A., Bonev, T., Kurtev, R., Georgiev L., Expansion of the light echo from the outburst of the unique variable star V838 Mon, 2007, *Bulg. Astr. J.*, **9**, 5-10 (in Bulgarian)
30. Koleva, K., Dechev, M., Duchlev, P., Possible II Type EP by Its Kinematic Characteristics, 2007, *Bulg. J. Phys.*, **34(2)**, 336-341
31. Koleva, K., H-alpha Diagnostics of the Pre-Eruptive State of an Eruptive Prominence on 8 June 1980, 2007, *Bul. Astr. J.*, **9**, 99-106
32. Koleva, N. Veltchev, T. Vassileva, L. Borisov, G. Nedialkov, P., Study of Stellar Populations in M33 OB Associations, 2007, *Bulg. J. Phys.*, **34(2)**, 342-347
33. Koleva V., Wooden Calendars from Southeastern Bulgaria, 2007, in: Papers from the annual meeting of SEAC held in Kecskemet, Hungary in 2004, August 26-28, E. Pasztor (ed.), printed by Chalvingston Digital, *BAR S1647*, **8**, 95-107

Publications year: 2007

34. Kirilova, D. Panayotova, M., The Role of Particle Creation Processes in the Scalar Condensate Baryogenesis model, 2007, *Bulg. J. Phys.*, **34(2)**, 330-335
35. Kirilova, D., More General BBN Constraints on Neutrino Oscillations Parameters – Relaxed or Strengthened, 2007, *Inter. J. of Modern Physics*, **16**, 1-14
36. Kokotanekova, J. Petrov, N. Duchlev, P., Preliminary Results for Corona Polarization during Total Solar Eclipse on March 29, 2006, Observed in Side, Turkey, 2007, *Bulg. J. Phys.*, **34(2)**, 224-231
37. Kolev, D., Koleva, S., Month Names and Astronyms in Bulgaria Folk and Literary Heritage, 2007, in: Papers from the annual meeting of SEAC, Kecskemet, Hungary, 2004, ed. E. Pasztor, *BAR S1647*, p. 87-94.
38. Koleva, V., Wooden Calendars from Southwestern Bulgaria, 2007, in Papers from the annual meeting of SEAC, Kecskemet, Hungary, 2004, ed. E. Pasztor, *BAR S1647*, p. 95-107
39. Komitov, B. Dechev, M. Duchlev, P., The Climate of Bulgaria during 19th and 20th Centuries by Instrumental and Indirect Data: Solar Modulated Cycles and Its Evolution, 2007, *Bulg. J. Phys.*, **34(2)**, 105-113
40. Komitov, B., The supercentennial solar minima and their preceding phenomena, 2007, *Bulg. Astr. J.*, **9**, 107-120
41. Komitov, B., Solar-Climatic Relationships: I. Ecology, 2007, in the *Proc. of Inter. Conf. Global Changes*, Sofia, Apr 20-22, 2007
42. Komitov, B., Solar-Climatic Relationships: II. Heliosociology, 2007, in the *Proc. of Inter. Conf. Global Changes*, Sofia, Apr 20-22, 2007
43. Komitov, B., Dechev, B., Duchlev, P., The Climate of Bulgaria during 19th and 20th Centuries by Instrumental and Indirect Data: Solar Modulated Cycles and Its Evolution, 2007, *Bulg. J. Phys.*, **34(2)**, 105-113
44. Kopchev, V. Petrov, G. Slavcheva-Mihova, L., UBVR photometry of the possible binary open star cluster NGC 6755/NGC 6756, 2007, *Bulg. J. Phys.*, **34(2)**, 236-239
45. Kostov, A. B., Apostolovska, G. Bonev, T. R., Bilkina, B. I., Borisov, G. B., Ivanova, V. G., Umlenski, V. I., Krumov V. V., 2007, Proc. of Conf. Research of the near-Earth artificial objects and small bodies of the Solar system, Nikolaev, Russia, 25-28 Sept 2007.p. 41-46
46. Kostov, A. Bonev T., CCD Imaging Photometry of Comet 9P/Tempel 1, 2007, *Bulg. J. Phys.*, **34(2)**, 348-352
47. Kostov, A., Bilkina, B., Observations of minor planets. *MPC 2007-S70*, 2007 Sept. 30.
48. Kostov, A., Bilkina, B., Observations of comets. *MPC 2007-T09*, 2007 Oct. 2.
49. Kostov, A., Bilkina, B., Observations of comets. *MPC 2007-V57*, 2007 Nov. 6.

Publications year: 2007

50. Kovacevic, J., Bachev, R., Popovic, L., Zamanov, R., Marziani, P., Asymmetry of the C IV1549 ? and [O III]4959, 5007 ? Lines in a Sample of RQ and RL AGN, 2007, *AIP Conf. Proc.*, **938**, 104-108
51. Lampens, P., Strigachev, A., Duval, D., Multicolour CCD measurements of visual double and multiple stars. III, 2007, *A&A.*, **464**, 641-645
52. Netopil, M., Paunzen E., Maitzen, H. M., Pintado, O. I., Claret, A., Miranda, L. F., Iliev, I. Kh., Casanova, V., CCD-photometric search for peculiar stars in open clusters. VIII. King21, NGC3239, NGC5999, NGC6902, NGC6830, Ruprecht44, Ruprecht115 and Ruprecht120, 2007, *A&A*, **462**, 591-597.
53. Ovcharov E., Valcheva A., Kostov A., Nikolov Y., Stanev I., Georgiev T., Nedialkov P., M 31 nova candidate, 2007, *ATel.*, 1112
54. Ovcharov E., Valcheva A., Kostov A., Nikolov Y., Stanev I., Georgiev T., Nedialkov P., M31 Nova Candidate, 2007, *ATel.*, 1139,
55. Ovcharov E., Valcheva A., Ivanov V., Kacharov N., Kostov A., Nikolov Y., Georgiev T., Nedialkov P., Probable Nova in M 31 on Nov 6, 2007, 2007, *ATel.*, 1267
56. Ovcharov E., Valcheva A., Kostov A., Nikolov Y., Georgiev T., Nedialkov P., Two possible Novae in M31 on Nov 29, 2007, 2007, *ATel.*, 1312
57. Panov, K. Dimitrov D., Long-term photometric study of FK Com and HD 199178, 2007, *A&A*, **467**, 229-235
58. Petkova, D., Shkodrov, V., Orbital and physical characteristics of extrasolar planet systems, 2007, *Bulg. J. Phys.*, **34(2)**, 370-384
59. Petrov, G. Fried, A, Kniazev: A. Large Scale Structure in the Universe. III. Cluster Analysis of faint galaxies in the direction of HERCULES void, 2007, *Bilg. J. Phys.* **34(2)**, 70-81
60. Petrov, G. Slavcheva-Mihova, L. Kopchev V., Studies of selected voids. Faint galaxies in the direction of the void 0049 +05, 2007, *Bulg. J. Phys.*, **34(2)**, 385-390.
61. Petrov, G., Fried, J., Kniazev, A., Large Scale Structures in the Universe. III. Cluster Analysis of faint galaxies in the direction of HERCULES void, 2007, *Bulg. J. Phys.*, **34(2)**, 70-80
62. Petrov, N., Duchlev, P., Kokotanekova, J. Rompolt B., First Results from Coronagraph Observations at the NAO–Rozhen, 2007, *Bilg. J. Phys.* **34(2)**, 86-94
63. Petrov, N., Duchlev, P., Rompolt B., Rudawy, P., Fine structure and Alfven string-mode oscillations of a quiescent prominence, 2007, *Bulg. Astr. J.*, **9**, 93-98
64. Poliakov E. V., Poliakov V. V., Fedotova, L. A., Tsvetkov M. K., High-Precision Measuring Scale Rulers for Flatbed Scanners, 2007, *Bulg. J. Phys.*, **34(2)**, 356-368
65. Raiteri, C. M., Villata, M., Larionov, V. M., ... , Semkov, E., ... , Strigachev, A., et al., WEBT

Publications year: 2007

and XMM-Newton observations of 3C 454.3 during the post-outburst phase. Detection of the little and big blue bumps, 2007, *A&A*, **473**, 819-827

66. Schwarz, G. J., Woodward, C. E., Bode, M. F., Evans, A., Eyres, S. P., Geballe, T. R., Gehrz, R. D., Greenhouse, M. A., Helton, L. A., Liller, W., Lyke, J. E., Lynch, D. K., O'Brien, T. J., Rudy, R. J., Russell, R. W., Shore, S. N., Starrfield, S. G., Temim, T., Truran, J. W., Venturini, C. C., Wagner, R. M., Williams, R. E., Zamanov, R., The Early Spectrophotometric Evolution of V1186 Scorpii (Nova Scorpii 2004 No. 1) 2007, *AJ*, **134**, 516-526

67. Semkov, E. H., Tsvetkov, M. K., Stavrev, K. Y., Borisova, A. P., Kroll, P., Construction of the historical light curve of V 1184 Tauri, 2007, *Bulg. J. Phys.*, **34(2)**, 240-247

68. Skopal, A., Vanko, M., Pribulla, T., Chochol, D., Semkov, E., Wolf, M., Jones, A. Recent photometry of symbiotic stars, 2007, *Astron. Nachrichten*, **328**, 909-916

69. Slavcheva-Mihova, L. Mihov, B. Petrov, G. Kopchev V., Surface Brightness Profile Decomposition of the Seyfert Galaxies III Zw 2, Mrk 506 and Mrk 509, 2007, *Bulg. J. Phys.*, **34(2)**, 201-209

70. Strigachev, A., Bachev, R., Semkov, E., WEBT-Coordinated Optical Monitoring of Intra-night Variable Blazars – S5 0716+71 and OJ 287, 2007, *Bulg. Astr. J.*, **9**, 3-4

71. Sulentic, J. W., Bachev, R., Marziani, P., Negrete, C.A. Dultzin, D., C IV λ 1549 as an Eigenvector 1 Parameter for Active Galactic Nuclei, 2007, *ApJ*, **666**, 757-777

72. Tomov, N. A., Tomova, M. T., Bisikalo D. V., Bipolar ejection by the symbiotic binary system Z And during its 2006 outburst, 2007, *MNRAS*, **376**, L16 – L19

73. Tozzi, G. P., Boehnhardt, H., Kolokolova, L., Bonev, T., Pompei, E., Bagnulo, S., Ageorges, N., Barrera, L., Hainaut, O., Kaufl, H. U., Kerber, F., Locurto, G., Marco, O., Pantin, E., Rauer, H., Saviane, I., Sterken, C., Weiler M., Dust observations of Comet 9P/Tempel 1 at the time of the Deep Impact. 2007, *A&A*, **476**, 979–988

74. Trifonova, G., Petkova, D., Shkodrov, V., On some ambiguities at determination of type of observational binary system by radial velocity, 2007, *Bulg. J. Phys.*, **34(2)**, 396-399

75. Tsvetkov, M. K., Stavrev, K. P., Tsvetkova, K. Y., Kalaglarsky, D. G., Borisova, A. P., WFPDB New Development and Analysis, 2007, *Bulg. J. Phys.*, **34(2)**, 159-168

76. Tsvetkov, M., Tsvetkova, K., Wide-Field Plate Database and the Use of Archival plates, Studies of Near-Earth and Small Bodies of the Solar System, 2007, Ministry of Education and Science of Ukraine, Scientific Research Institute Nikolaev Astronomical Observatory, 204-208

77. Tsvetkova, K. P., Tsvetkov, M. K., Kalaglarsky, D. G., Lampens, P., Duval D., Analysis of the Uccle Carte Du Ciel Catalogue (ROB033) Present in the WFPDB, 2007, *Bulg. J. Phys.*, **34(2)**, 177-186

78. Tsvetkova, K. P., Tsvetkov, M. K., Kalaglarsky, D. G., Golovnya, V., Yizhakevych, O., Sergeeva, T., Kizyun L., Golosiiv DWA Plate Catalogues Presented in the WFPDB, 2007, *Bulg. J. Phys.*, **34(2)**, 400-408

Publications year: 2007

79. Vassileva, L., Veltchev, T., Ivanov, G. R., Georgiev, Ts., Nedialkov, P., Clustering of Young Stellar Groups in M33 Galaxy, 2007, *Bulg. J. Phys.*, **34(2)**, 415-419

80. Zamanov, R. K., Bode, M. F., Melo, C. H. F., Bachev, R., Gomboc, A., Stateva, I. K., Porter, J. M., Pritchard, J., Rotational velocities of the giants in symbiotic stars - II. Are S-type symbiotics synchronized?, 2007, *MNRAS*, **380**, 1053-1063

81. Zamanov, R. K., Stoyanov, K. A., Tomov, N. A., Halpha Observations of the Galactic Microquasar LSI+61d303, 2007, *IBVS*, 5776, 1-4

82. Zamanov, R. K., Bachev, R., CCD observations of the flickering of the recurrent nova RS Oph., 2007, *ATel.* No. 1220

83. Zamanov, R., Konstantinova-Antova, R., Bode, M. F., Melo, C. H. F., Gomboc, A., Bachev, R. S., Rotation of the Mass Donors in Symbiotic Stars, 2007, *Bulg. J. Phys.*, **34(2)**, 124-130

84. Zhilyaev, B. E., Romaniuk, Ya.O., Svyatogorov, O.A., Verlyuk, I.A., Kaminsky, B., Andreev, M., Gershberg, R. E., Lovkaya, M., Avgoloupis, S., Seiradakis, J. H., Contadakis, M. E., Antov, A. P., Konstantinova-Antova, R. K., Bogdanovski R., Fast colorimetry of the flare star EV Lacertae from uBVRI observations in 2004, 2007, *A&A*, **465**, 235-240

85. Zverko, J., Ziznovsky, J., Mikulasek, Z., Iliev, I. Kh., Radial velocity determination by CCF using a synthetic spectrum as the template and detecting component spectra in SB1 binaries, 2007, *Contr. Astr. Obs. Skalnaté Pleso*, **37**, 49-62