

Publications year: 2009

1. Apostolovska G., Ivanova V., Bilkina, B., Kostov A., CCD Photometry of 967 Helionape, 3415 Danby, (85275) 1994 LY, 2007 DT103, and 2007 TU24, 2009, MPBu, 36, 27-28
2. Arbutina, B., Ili?, D., Stavrev, K., Uro?evi?, D., Vukoti?, B, Oni?, D., Optical observations of M81 galaxy group in narrow band [SII] and H? filters: Holmberg IX, 2009, Serb. Astr. J., 179, 87-94
3. Arlot, J.-E., Thuillot, W., Ruatti, C.,..., Antov, A.,..., Dimitrov, D.,..., Ivanova, V. et al., The PHEMU catalogue of observations of the mutual phenomena of the Galilean satellites of Jupiter, 2009, A&A, 493, 1171-1182
4. Auri?re, M., Wade, G. A., Konstantinova-Antova, R., Charbonnel, C., Catala, C., Weiss, W. W., Roudier, T., Petit, P., Donati, J.-F., Alecian, E., Cabanac, R., van Eck, S., Folsom, C. P., Power, J., Discovery of a weak magnetic field in the photosphere of the single giant Pollux, 2009, A&A, 504, 231-237
5. Auri?re, M., Konstantinova-Antova, R., Petit, P., Wade, G., Roudier, T., Direct detection of a magnetic field on the surface of slowly rotating giant stars, 2009, IAUS 259, 431-432
6. Bachev, R., Grupe, D., Boeva, S., Ovcharov, E., Valcheva, A., Semkov, E., Georgiev, Ts., Studying X-ray reprocessing and continuum variability in quasars: PG 1211+143, MNRAS, 2009, 399, 750-761
7. Bachev R. S., Quasar optical variability: searching for interband time delays, 2009, A&A, 493, 907-911
8. Bilkina, B., Ivanova, V., Apostolovska G., et al., Comet Observations, MPC, No 66864, Sept. 14, 2009
9. Bilkina, B. Ivanova, V. Apostolovska G., et al., Minor Planet Observations, MPC, No 66905, Sept. 14, 2009
10. Bilkina, B., Apostolovska G., et al., Comet Observations, MPC, No 66407, Jun 11, 2009
11. Bilkina, B., Apostolovska G., et al., Comet Observations, MPC, No 66451, July 7, 2009
12. Bilkina, B., Apostolovska G., et al., Comet Observations, MPC, No 66631, Aug. 6, 2009
13. Bilkina, B., Apostolovska G., et al., Comet Observations, MPC, No 66686, Aug 6, 2009
14. Boehnhardt, H., Ageorges, N., Bagnulo, S., Barrera, L., Bonev, T. et al., The Dusty View of DI from ESO Chile, Deep Impact as a World Observatory Event: Synergies in Space, Time, and Wavelength, ESO Astr. Symp., Springer, Berlin Heidelberg, 2009, 147-154
15. Bonev, T., Ageorges, N., Bagnulo, S. et al., Weiler, M., Dynamical Modeling of the Deep Impact Dust Ejecta Cloud, Deep Impact as a World Observatory Event: Synergies in Space, Time, and Wavelength, ESO Astr. Symp., Springer, Berlin Heidelberg, 2009, 177-184
16. Borisova, A., Tsvetkov, M., Kalagarski, D., Archival Photographic Observations in the Pleiades Field: An On-line Access to the Pleiades Plate Database and Analysis of the Archival Plate Data,

Publications year: 2009

Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 287-291

17. Böttcher, M., Fultz, K., Aller, H. D.,..., Bachev, R.,..., Mihov, B.,..., Semkov, E.,..., Strigachev, A. et al., The Whole Earth Blazar Telescope Campaign on the Intermediate BL Lac Object 3C 66A in 2007-2008, 2009, ApJ, 694, 174-182

18. Bukowiecki, L., Maciejewski, G., Bykowski, W., Georgiev, Ts., Boeva, S., Kacharov, N., Mihov, B., Latev, G., Ovcharov, E., Valcheva, A., Search for variable stars in the field of the young open cluster NGC 957, 2009, OEJV, No. 0112, 1-8

19. Chizhov M., Kirilova D., Speeding the Friedmann expansion by chiral tensor particles, 2009, Int. J. Mod. Phys. A, 24, 1643-1647

20. Dimitrov, D., Kraicheva, Z., Popov, V., Short-Period Oscillations in the Algol-type Systems III: Newly Discovered Variable GSC 4588-0883, 2009, IBVS, 5883, 1-4

21. Dimitrov, D., Kraicheva, Z., Popov, V., Short-Period Oscillations in the Algol-Type Systems IV: Newly Discovered Variable GSC 4293-0432, 2009, IBVS, 5892, 1-4

22. Dimitrov, D., Data-mining in astrophysics. A search for new variable stars in databases, 2009, Bulg. Astr. J., 12, 49-62

23. Dimitrov, D., Opportunities for extra-solar planet observations with the telescopes of the Rozhen NAO, 2009, Bulg. Astr. J., 12, 63-74

24. Dimitrov, D., Popov, V., New Eclipsing Binaries Found in the NSVS Data, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 315-319

25. Gogosheva, T., Grigorieva, V., Evgenieva, T., Mendeva, B., Kolev, N., Krastev, D., Petkov, B., Recent ozone investigations over Bulgaria by remote sensing: Ground-based and satellite data, 2009, Adv. Space Res., 43(2), 201-205

26. Gogosheva, Ts., Simeonov, P., Grigorieva V., Mendeva, B., Petkov, B., Krastev, D., Tasheva, T., Atmosphere state over Bulgaria during the solar eclipse on 29 March 2006. Proceedings Book "Atmospheric composition Change – Causes and Consequences – Local to Global. Aracne editrice S.r.l., Italy, 2009

27. Henze, M., Kaduk, F., Burwitz, V., Pietsch, W., Papamastorakis, G., Reig, P., Strigachev, A., Confirmation of two recent optical nova candidates in M 31, 2009, ATel, 2165, 1

28. Henze, M., Pietsch, W., Podigachoski, P., Burwitz, V., Haberl, F., Updike, A., Hartmann, D., Milne, P., Williams, G., Papamastorakis, G., Reig P., Strigachev, A., M31N 1997-11k - a very fast recurrent nova in M31 or a foreground CV?, 2009, ATel, 2286, 1

29. Jevremovic, D., Dimitrijevic, M. S., Popovic, L. C.,..., Tsvetkova, K., et al., The Project of Serbian Virtual Observatory and Data for Stellar Atmosphere Modeling, 2009, New Astronomy Reviews, 53, 222-226

Publications year: 2009

30. Iliev I. Kh., Radial velocity performance of the coude?-spectrograph of 2-m RCC telescope: a concise reliability test, 2009, Bulg. Astr. J., 11, 95-97
31. Ivanova, V. Bilkina, B., Apostolovska, G. et al., Comet Observations, MPC, No 67088, Sept. 14, 2009
32. Ivanova, V. Bilkina, B., Apostolovska, G. et al., Minor Planet Observations, MPC, No 67131, Sept. 14, 2009
33. Ivanova, V. Bilkina, B., Apostolovska, G. et al., Comet Observations, MPC, No 67349, Nov. 2, 2009
34. Ivanova, V. Bilkina, B., Apostolovska, G. et al., Minor Planet Observations, MPC, No 67395, Nov. 2, 2009
35. Kirilova, D., Non-equilibrium neutrino in the early universe plasma, AIP Conf. Proc., 1121, 83-89, 2009
36. K?ufl, H. U., Saviane, I., Ivanov, V., Bonev, T., Boehnhardt, H., Serendipitous Occultation of U0975-07195164 by 9P/Tempel 1 Witnessed from LaSilla, Deep Impact as a World Observatory Event: Synergies in Space, Time, and Wavelength, ESO Astr. Symp., Springer, Berlin Heidelberg, 2009, 185-187
37. Kolev, D. Z., Astronomy and culture, 2009, Bulg. Astr. J., 12, 137-160 (in Bulgarian)
38. Koleva, K., Duchlev, P., Dechev, M., H-alpha Brightness Evolution During the Eruption of Prominences of 7 may 1979 and 8 june 1980, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 189-198
39. Komitov, B., The "Sun – climate" relationship. I. The sunspots and the climate, 2009, Bulg. Astr. J., 11, 139-151
40. Komitov, B., The "Sun - climate" relationship. II. The "cosmogenic" beryllium and the middle latitude aurora, 2009, Bulg. Astr. J., 12, 75-90
41. Konstantinova-Antova, R., Auri?re, M., Schr?der, K.-P., Petit, P., Dynamo-generated magnetic fields in fast rotating single giants, 2009, IAUS 259, 433-434
42. Kostov, A., Ivanova, V., Bilkina, B., Apostolovska, G. et al., Comet Observations, MPC No 64693, Jan. 11, 2009
43. Kostov, A., Ivanova, V., Bilkina, B., Apostolovska, G. et al., Minor Planet Observations, MPC, No 64750, Jan. 11, 2009
44. Kostov, A., Bilkina, B., Apostolovska, G. et al., Comet Observations, MPC, No 65561, Apr. 9, 2009
45. Kostov, A., Bilkina, B., Apostolovska, G. et al., Comet Observations, MPC, No 65628, Apr. 9, 2009

Publications year: 2009

46. Kostov, A., Bilkina, B., Apostolovska, G. et al., Comet Observations, MPC, No 65875, May 9, 2009
47. Kostov, A., Bilkina, B., Apostolovska, G. et al., Comet Observations, MPC, No 65920, May 9, 2009
48. Kostov, A., Bilkina, B., Apostolovska, G. et al., Comet Observations, MPC, No 66145, Jun. 7, 2009
49. Kostov, A., Bilkina, B., Apostolovska, G. et al., Minor Planet Observations, MPC, No 66188, Jun. 7, 2009
50. Kounchev, O., Tsvetkov, M., Dimov, D.,..., Tsvetkova, K.,..., Borisova, A.,..., Borisov, G., et al., *Astroinformatics: A Synthesis between Astronomical Imaging and Information & Communication Technologies*, In: *Modern trends in mathematics and physics: Proc. 2-nd Alexander von Humboldt-Kolleg, Varna, Bulgaria, 5-10 Sep. 2008*. Heron Press Science Series, Heron Press Ltd., 2009, 60-69
51. L?bre, A., Palacios, A., Do Nascimento, J. D. Jr., Konstantinova-Antova, R., Kolev, D., Auri?re, M., de Laverny, P., de Medeiros, J. R., Lithium and magnetic fields in giant stars. HD 232 862: a magnetic and lithium-rich giant, 2009, *A&A*, 504, 1011-1019
52. L?bre, A., Palacios, A., do Nascimento, J. D., De Medeiros, J. R., Konstantinova-Antova, R., Kolev, D., Auri?re, M., HD 232862: a magnetic and Lithium-rich giant field star, 2009, *IAUS* 259, 435-436
53. Maciejewski, G., Mihov, B., Georgiev, Ts., The open cluster Berkeley 53, 2009, *Astron. Nachr.*, 330, 851-856
54. Markov, H., Markishki, P., Bonev T., Current status of the optic alignment of the 2m Rozhen telescope, 2009, *Bulg. Astr. J.*, 12, 91-98,
55. Markova, N., Bianchi, L., Efremova, B., Puls, J., Metallicity effects in the spectral classification of O-type stars. Theoretical consideration, 2009, *Bulg. Astr. J.*, 12, 21-28
56. Mihov, B., Slavcheva-Mihova, L., Petrov, G., Dennefeld, M., Relation between nuclear activity, star formation, and bulge mass in active galaxies. I. Emission line properties of Seyfert galaxies in RBSC-NVSS sample, *Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008*, Eds. M. Dimitrijevic et al., 2009, *Publ. Astr. Soc. Rudjer Boskovic*, 9, 335-342
57. Morrison, N., Markova, N., Rother, S., High-velocity H α absorption components in B8Ia-A2Ia supergiants stars, 2009, 214 meeting of the AAS, 7-11 June 2009, Pasadena, CA, 605.11
58. Ovcharov E., Valcheva A., Kostov A., Latev G., Nikolov Y., Georgiev Ts., Nedialkov P., Optical Nova Candidate in M31, 2009, *ATel*, 1927, 1
59. Ovcharov E., Valcheva A., Georgiev Ts., Kostov A., Nikolov Y., Nedialkov P., Optical Nova Candidate in M31, *ATel*, 2009, 2176, 1
60. Panov, K. P., The Orbital Distances Law in Panetary Systems, 2009, *Open Astr. J.*, 2, 90-94

Publications year: 2009

61. Panov, K., The Law of Orbital Distances in the Solar System, 2009, Com. Ren. Bulg. Acad. Sci., 62(2), 143-152
62. Panov, K., Dimitrov, D., Long-term photometric study of the fare star EV Lac: 1983 – 2001, in Terrestrial and Stellar Environment, Special Issue in honour of Prof. G. Asteriadis. Eds. Arabelos, D. N. et al., Thessaloniki, Greece, 2009, 295-300
63. Pannella, M., Gabasch, A., Goranova, Yu., Drory, N., Hopp, U., Noll, S., Saglia, R., Strazzullo, V., Bender, R., The Evolution of Early- and Late-type Galaxies in the Cosmic Evolution Survey up to $z \approx 1.2$, 2009, ApJ, 701, 787-803
64. Pavlova, P., Koleva, K., Technique for Tracking and Visualization of Motion in Sequence of Images of the Solar Corona, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., Publ. Astr. Soc. Rudjer Boskovic, 2009, 9, 207-216
65. Peneva, S. P., Semkov, E. H., Stavrev, K. Y., Photometric study of the FUor star V 1735 Cyg (Elias 1-12), 2009, Ap&SS, 323, 329-335
66. Petit, P., Dintrans, B., Morgenthaler, A., Van Grootel, V., Morin, J., Lanoux, J., Auriere, M., Konstantinova-Antova, R., A polarity reversal in the large-scale magnetic field of the rapidly rotating Sun HD 190771, 2009, A&A, 508, L9-L12
67. Petkova, D., Nedialkov, P., Shkodrov, V., Physical Characteristics of Planet-hosting Stars and Optimization of the Extrasolar Planet Searches, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 381-386
68. Petrov, G., Bulgarian Virtual Observatory. Multicolor Observations of Box/Peanut Galaxies, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 387-396
69. Petrov, G., Dechev, M., Slavcheva-Mihova, L., Duchlev, P., Mihov, B., Kopchev, V., Bachev, R., Astronomical virtual observatory and the place and role of Bulgarian one, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 91-111
70. Petrov, G., Kopchev, V., Bulgarian Virtual Observatory. Multicolor Observations of Open Clusters in our Galaxy, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 405-413
71. Pietsch, W., Kaduk, F., Henze, M., Burwitz, V., Papamastorakis, G., Reig, P., Strigachev, A., New optical nova candidate in M 31, 2009, ATel., 2147, 1
72. Podigachoski, P., Henze, M., Pietsch, W., Burwitz, V., Papamastorakis, G., Reig, P., Strigachev, A., Novae in M31: 2009-10b and 2009-10c, 2009, CBET, 1971, 1
73. Podigachoski, P., Henze, M., Pietsch, W., Burwitz, V., Papamastorakis, G., Reig, P., Strigachev, A., New optical nova candidate in M 31, 2009, ATel., 2234, 1

Publications year: 2009

74. Raiteri, C. M., Villata, M., Capetti, A.,..., Strigachev, A.,..., Bachev, R.,..., Kostov, A.,..., Mihov, B.,..., Semkov, E. et al., WEBT multiwavelength monitoring and XMM-Newton observations of BL Lacertae in 2007–2008 Unveiling different emission components, 2009, *A&A*, 507, 769-779
75. Shevchenko, V. G., Krugly, Yu. N., Belskaya, I. N.,..., Ivanova, V., Borisov, G. et al., Do Trojan Asteroids Have the Brightness Opposition Effect? Proc. of, 40th Lunar and Planetary Science Conference, (Lunar and Planetary Science XL), Mar. 23-27, 2009, The Woodlands, Texas, id.1391
76. Stanchev, O. I., Georgiev, Ts. B., Weis, K., Bomans, D. J., Dettmar, R.-J., Correlation between the Convexity of the Disk Radial Profile and the Hubble Type of the Galaxy, 2009, *AIP Conf. Proc.*, 1121, 61-70
77. Stateva, I., Iliev, I. Kh., Budaj, J., Barzova, I. S., Am stars and tidally driven anomalies, 2009, *Bulg. Astr. J.*, 12, 29-34
78. Stoyanov, K. A., Zamanov, R. K., Tidal interaction in High-Mass X-ray Binaries, 2009, *Astr. Nachr.*, 330, 727-732
79. Stoyanov, K. A., Zamanov, R. K., Gomboc, A., Matijevi?, G., Are the Be/X-ray binaries synchronized?, 2009, *Bulg. Astr. J.*, 12, 35
80. Strigachev, A, CCD stellar photometry with fixed aperture and the growth-curve analysis, 2009, *Bulg. Astr. J.*, 11, 87-93
81. Sulentic, J., Marziani, P., Stirpe, G., Zamfir, S., Dultzin D., Calvani, M., Repetto, P., Zamanov, R., Constraining Quasar Structural Evolution with VLT/ISAAC, 2009, *The ESO Messenger*, 137, 30
82. Tomov, N. A., Tomova, M. T., Bisikalo, D. V., Evidences for an Accretion Disc in the Spectrum of the Symbiotic Binary Z And during its Outburst at the end of 2002, 2009, *AIP Conf. Proc.*, 1121, 22-27
83. Tsvetkov, M., Making Astronomical Photographic Data Available: The European Perspective, 2009, *ASP Con. Ser.*, 410, 15-31
84. Tsvetkov, M., Osborn, W., Wide-field Plate Database – One Major Step with the Pari North American Initiative, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, *Publ. Astr. Soc. Rudjer Boskovic*, 9, 113-142
85. Tsvetkova, K., Wide-Field Plate Database and Present Exploitation of the Archival Plates, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, *Publ. Astr. Soc. Rudjer Boskovic*, 9, 245-254
86. Tsvetkova, K., Tsvetkov, M., Protic-Benishek V., Dimitrijevic, M., Bulgarian-Serbian Collaboration in the Astronomical Wide-Field Plate Archiving, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, *Publ. Astr. Soc. Rudjer Boskovic*, 9, 255-260
87. Tsvetkova, K., Tsvetkov, M., Sergeeva, T., Sergeev, A., Wide-Field Plate Database: Included

Publications year: 2009

Ukrainian Plate Catalogues, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 261-268

88. Tsvetkova K., Tsvetkov M., Digital Wide-Field Plate Archives, in Terrestrial and Stellar Environment, Special Issue in honour of Prof. G. Asteriadis. Eds. Arabelos, D. et al., Thessaloniki, Greece, 2009, 302-317

89. Tsvetkova, K., Tsvetkov, M., Boehm, P., Steinmetz, M., Dick, W.R., The Potsdam plates of the Carte du Ciel project: I. Present inventory and plate catalogue, 2009, Astron. Nachr., 330(8), 878–884

90. Tsvetkova, K., Tsvetkov, M., Sergeeva, T., Sergeev, A., Wide-Field Plate Archives Stored in the Ukrainian Observatories, 2009, Kin. and Phys. of Cel. Bodies, 25(5), 402-412

91. Tsvetkova, S., Boeva, S., CCD photometry of the cataclysmic variable star V425 Cas in 2006-2007, 2009, Bulg. Astr. J., 12, 43-48

92. Umlenski, V. I., The Alexandrian Millenium (A.D. 2009) and the Astronomical Data, 2009, Publ. Astron. Obs. Belgrade, 86, 217-221

93. Valcheva, A., Ovcharov, E., Nikolov, Y., Latev, G., Kostov, A., Georgiev, Ts., Nedialkov P., Optical Nova Candidate in M31, 2009, ATel, 2090, 1

94. Vassileva, L., Veltchev, T., Georgiev, Ts., Nedialkov, P., Young Stellar Groups in M 33 Galaxy: Delineation and Main Parameters, Proc. VI Serbian-Bulgarian Astr. Conf., Belgrade 7-11 May 2008, Eds. M. Dimitrijevic, et al., 2009, Publ. Astr. Soc. Rudjer Boskovic, 9, 433-440

95. Villata, M., Raiteri, C. M., Gurwell, M. A.,..., Bachev, R. et al., The GASP-WEBT monitoring of 3C 454.3 during the 2008 optical-to-radio and γ -ray outburst, 2009, A&A, 504, L9-L12

96. Waniak, W., Borisov, G., Drahus, M., Bonev, T., Czart, K., Koppers, M., Rotation of the Nucleus, Gas Kinematics and Emission Pattern of Comet 8P/Tuttle: Preliminary Results from Optical Imaging of the CN Coma, 2009, EM&P, 105(2-4), 327-342

97. Zverko, J., Ziznovsky, J., Mikulasek, Z., Krticka, J., Iliev, I. Kh., Stateva, I. K., Romanyuk, I. I., Kudryavtsev, D. O., The puzzling binary HD143418, 2009, A&A, 506, 845-856

98. Илиев, И. Х., Барзова, И. С., Кратък практически курс по CCD-фотометрия, Годишник на Шуменския университет, vol. XIX B1, 2009, 120-136

99. Колев, Д., Светлинното замърсяване и бъдещето на земната астрономия, Нац. семинар Светлинно замърсяване, РУ А. Кънчев, Русе, 21.05.2009

100. Колев, Д., Колева, В., Цонев Л., Гонзалес, С., 2009, Тракийски долмени в България, в: „Мегалити на Балканите”, Съставители: Л. Цонев и К. Марицас, С., изд. Захари Стоянов и СУ Св. Климент Охридски, 69-97