

Publications year: 2002

1. Apostolovska, G., Bilkina, B., Protich-Benishek, V., Benishek, V., Ivanova, V., Observations of comets, 2002, *MPC*, 45426, 26 May 2002.
2. Apostolovska, G., Bilkina, B., Protich-Benishek, V., Benishek, V., Ivanova, V., Observations of Minor Planers, 2002, *MPC*, 45451, 26 May 2002.
3. Apostolovska, G., Bilkina, B., Ivanova, V., Observations of Minor Planers, 2002, *MPC*, 45854, 24 June 2002.
4. Apostolovska, G., Umlenski, V., Bilkina, B., Observations of Minor Planers, 2002, *MPC*, 46857, 20 Nov. 2002.
5. Bonev, T., Jockers, K., Petrova, E., Delva, M., Borisov, G., Ivanova, A., The Dust in Comet C/1999 S4 (LINEAR) during Its Disintegration: Narrow-Band Images, Color Maps, and Dynamical Models, 2002, *Icarus*, **160**, 419
6. Bonev, T., Jockers, K., Spatial distribution of the dust color in comet C/LINEAR (2000 WM1), 2002, In: Proc. of Asteroids, Comets, Meteors 2002. Inter. Conf., 29 July - 2 August 2002, Berlin, Germany. ESA SP-500. Noordwijk, Netherlands: ESA Publications Division, p. 587-591
7. Bonev, T., Borisov, G., Ivanova, A., H₂O⁺ ions in the plasma tail of comet Ikeya-Zhang, 2002, *Pub. Asrt. Obs. Belgrade*, **73**, 73
8. Borisov, G. B., Bonev, T. R., Mass loss rate of dust in comet C/LINEAR (1999 S4) after its disintegration, 2002, *ESASP*, **500**, 583
9. Borisov, G., Dimitrov, D., Semkov, E., Apostolovska, G., Bonev, T., Ivanova, A., Bilkina, B., Ivanova, V., Panov, K., UBVRI Photometry of SN 2002ap in M74, 2002, *IBVS*, 5264, 1-4
10. Borisova, A. P., Tsvetkov, M. K., Tsvetkova, K. P., Hambly, N., Kalaglarsky, D. G., Search for long-term periodicity in the Pleiades active dwarf stars from photographic sky surveys, 2002, *Pub. Astr. Obs. Belgrade*, **73**, .81
11. Borissova, J., Kurtev, R., Georgiev, L., Rosado, M., Ivanov, G., IC 1613 OB Associations and Star Cluster Candidates, 2002, *IAUS*, **207**, 456
12. Borissova, J., Ivanov, V. D., Vanzi, L., Near Infrared Photometry of New Galactic Globular Clusters GC 01 and GC 02, 2002, *IAUS*, **207**, 107
13. Catelan, M., Borissova, J., Ferraro, F. R., Corwin, T. M., Smith, H. A., Kurtev, R., M75, A Globular Cluster with a Trimodal Horizontal Branch. I. Color-Magnitude Diagram, 2002, *AJ*, **124**, 364
14. Catelan, M., Borissova, J., Ferraro, F. R., Corwin, T. M., Smith, H. A., The Trimodal Horizontal Branch of M75 (NGC 6864), 2002, *ASP Conf. Ser.*, **274**, 315
15. van Cauteren, P., Wils, P., Lampens, P., Strigachev, A., On the Period of the High Amplitude delta Scuti Variable DW Psc, 2002, *IBVS*, 5248, 1-4
16. Comer?n, F., Pasquali, A., Rodighiero, G., Stanishev, V., De Filippis, E., L?pez Mart?, B., G?

Publications year: 2002

Ivez Ortiz, M. C., Stankov, A., Gredel, R., On the massive star contents of Cygnus OB2, 2002, *A&A*, **389**, 874

17. Doyle, J. G., Madjarska, M. S., Roussev, I., Teriaca, L., Giamikakis, J., Temporal Variability in the Doppler-shift of Solar Transition Region Lines, 2002, *A&A*, **396**, 255.

18. Duemmler, R., Iliev, I. Kh., Iliev, L. The radial velocities and physical parameters of HD553, 2002, *A&A*, **395**, 885-890

19. Georgiev Ts. B., Goranova Yu. B., Stanchev O. I., A program for investigation of resolved dwarf galaxies, 2002, Meetings in Physics at the University of Sofia, V 3, 62-65

20. Georgiev, T., On the reduction of astronomical photoelectric data, 2002, Meetings in Physics at the University of Sofia, V 3, 66-68

21. Georgiev T.B., Extinction estimation from the color-magnitude diagram of dwarf galaxies, 2002, *Publ. Astron. Obs. Belgrade*, **73**, 143-148

22. Golev, V., Tsvetkov, M., Murtagh, F., Egret, D., Longo, G., di Gesu, V., Allen, G., Holl, A., Shearer, A., Golden, A., Sastry, L., Boyd, D., Nun?ez, J., Molina, R., Vazquez, L., Llorente, I. M., Jetzer, Ph., Csillaghy, A., Wintlev-Jensen, P., European collaboration towards the Astronomical DataGrid, 2002, *Pub. Astr. Obs. Belgrade*, **73**, 37

23. Goranova, Yu., Georgiev, Ts., Iliev L., Stateva, I., Tomov, N., Radial velocities of 22 B-stars toward the galactic anti-center, 2002, *Pub. Astr. Obs. Belgrade*, **73**, 153-157

24. Georgiev, T., Fast image processing methods for PC: 6. Resampling of big images, 2002, *Bull. SAO*, **53**, 109-113

25. Georgiev, T., Fast image processing methods for PC: 7. From median to mode filtering, 2002, *Bull. SAO*, **53**, 114-118

26. Grigorieva, V., Kolev, S., Gogosheva, Ts., Petkov, B., Bogdanov, S., Videnov. P., Surface and Total Ozone Over Bulgaria during Solar Eclipse, Symposium Eurotrac – 2, Garmish, Germany, 11-15 March 2002

27. Gulyaev R., Petrov, N., Dermendjiev, V., Shcheglov, P., Study of Dust Sublimation Regions in the Near Circumsolar Space, 2002, Euro Asian Astronomical Society – EAAS, Moscow, Russia.

28. Harmanec, P., Bozic, H., Percy, J. R., Yang, S., Ruzdjak, D., Sudar, D., Wolf, M., Iliev, L., Huang, L., Buil, C., Eenens, P., Properties and nature of Be stars: 21. The long-term and orbital variations of V832 Cyg, 2002, *A&A*, **387**, 580-594.

29. Ho, T., Thomas, N., Boice, D., Bonev, T., Jockers, K., Meech, K., Soderblom, L., Yelle, R., Analysis and interpretation of the dust emission of 19P/Borrelly, 2002, 34th COSPAR Scientific Assembly, p. 1984

30. Ho, T. M., Thomas, N., Kollein, C., Boice, D. C., Bonev, T., Jockers, K., Meech, K. J., Soderblom, L. A., Yelle, R., Analysis and Interpretation of the Dust Emission of 19P/BORRELLY, 2002, DPS Meeting 34, *Bulletin of the American Astronomical Society*, **34**, p. 868

Publications year: 2002

31. Iliev, I. Kh, Paunzen, E., Barzova, I. S, Griffin, R. F., Kamp, I., Claret, A., Koen, C. First orbital elements for the Lambda Bootis spectroscopic binary systems HD84948 and HD171948, 2002, *A&A*, **381**, 914-922
32. Ivanov, V. D., Borissova, J., Pessev, P., Ivanov, G. R., Kurtev, R., Discovery of new Milky Way star clusters candidates in the 2MASS point source catalog, 2002, *A&A*, **394**, L1
33. Ivanov, V. D., Borissova, J., Red giant branch stars as probes of stellar populations. I. 2MASS calibration and application to 2MASS GC01, 2002, *A&A*, **390**, 937
34. Ivanova, V., Observations of Comets, 2002, *MPC*, 44686, 22 Feb. 2002.
35. Ivanova, V., Protich-Benishek, V., Marinov, A., Benishek, V., Bilkina, B., Observations of minor planets, 2002, *MPC*, 46217, 22 Aug. 2002.
36. Ivanova, V., Protich-Benishek, V., Marinov, A., Benishek, V., Bilkina, B., Observations of minor planets, 2002, *MPC*, 46509, 21 Sep. 2002.
37. Ivanova, V. G., Apostolovska, G., Borisov, G. B., Bilkina, B. I., Results from studies of asteroids at Rozhen National Observatory, Bulgaria, 2002, Proc. of Conf. Asteroids, Comets, Meteors, 2002, 29 July- 2 August 2002, Berlin, Germany, ESA SP-500, pp. 505-508
38. Kirilov, K., Angelova, F., Popov, G., Umlenski, V., Tsanev, V., Variations of the scattered Sun radiation during the total solar eclipse on August 11, 1999, 2002, *Compt. Rend. Acad. Bul. Sci.*, **55**, 2
39. Kirilova, D., Panayotova, M., Valchanov, T., Vast antimatter regions and scalar-condensate baryogenesis, 2002, CERN-CH/2002-218
40. Kolev, D., Mikołajewski, M., Tomov, T., Iliev, I., Osipowicz, J., Nirski J., Gałan, C., Peculiar outburst of the newly revealed variable star V838 Mon, 2002, Collected Papers, Physics, Shumen University Press, p. 141-146
41. Koleva V., Cosmos in the Cult scene from Ovcharovo, 2002, in Ancient Times, Modern Methods. Proceedings of the Third SEAC Conference, Sibiu, Romania, August 31 - September 2, 1995, ed. by F. Stanescu, Second edition, Alba Iulia, Romania, 71-79
42. Kurtev, R., Borissova, J., Rosado, M., Georgiev, L., Richer, M. G., Valdez-Gutiérrez, M., Star Cluster Candidates in NGC 4236, 2002, *ASP Conf. Ser.*, **282**, 96
43. Kurtev, R., Borissova, J., Georgiev, L., Rosado, M., UBV and Strömgren stellar photometry in the Eastern part of M31, 2002, *ASP Conf. Ser.*, **274**, 412
44. Lehmann, H., Andrievsky, S. M., Egorova, I., Hildebrandt, G., Korotin, S. A., Panov, K., Scholz, G., Schoenberner, D., The Spectroscopic Binaries 21 Her and Gamma Gem, 2002, *A&A*, **383**, 558.
45. Markova, N., Spectral variability of luminous early type stars . II. Supergiant alpha Camelopardalis, 2002, *A&A*, **385**, 479

Publications year: 2002

46. Muratorio, G., Markova, N., Friedjung, M., Israelian, G., Properties of the P Cygni wind found using the Self Absorption Curve method, 2002, *A&A*, **390**, 213
47. Panov, K. P., Dimitrov, D. P., The flare activity of UV Cet in 1982-1984, 2002, *IBVS*, 5250, 1-4
48. Peikov, Z. I., Rusev, R. M., Ruseva, T., Spatial Structure of the Old Open Cluster NGC 2420, 2002, *Astr. Rep.*, **46(4)**, 267
49. Peshev, P., Ivanov, V. D., Borissova, J., Search for undetected star clusters in our Galaxy in the 2MASS database, 2002, *Publ. Astron. Obs. Belgrade*, **73**, 195
50. Petkov, B., Gogosheva, Ts., Verner, V., Krastev, D., The Total Ozone Over Bulgaria during the Solar Eclipse on 11 August 1999, 2002, *Journal of Applied Electromagnetism*, **V. 4**, No 1
51. Petrova P., Kolev D., The rock cult-complex nearby the village of Vesselinovo (Northeast Bulgaria) and its possible astronomical and calendar destination, 2002, in: Ancient Times, Modern methods. Proceedings of the Third SEAC Conference, Sibiu, August 31 - September 2, 1995, ed. by F. Stanescu, Second edition, Alba Iulia, Romania, 41-47
52. Paunzen, E., Iliev, I. Kh., Kamp, I., Barzova, I. S. The status of Galactic field Lambda Bootis stars in the post-HIPPARCOS era, 2002, *MNRAS*, **336**, 1030-1042
53. Rosado, M., Valdez-Gutiérrez, M., Bullesjos, A., Arias, L., Georgiev, L., Ambrocio-Cruz, P., Borissova, J., Kurtev, R., The Interplay Between Gas and Stars in Irregular Galaxies, 2002, *ASP Conf. Ser.*, **282**, 50
54. Seggewiss, W. Altmann M., Panov, K., Long-term UBV Observations of Episodic Dust Maker WR 140, 2002, *ASP Conf. Ser.*, **260**, 417.
55. Semkov, E. H., UBVRI observations of V350 Cep in the period 1998-2001, 2002, *IBVS*, 5214
56. Skopal, A., Vanko, M., Pribulla, T., Wolf, M., Semkov, E., Jones, A., Photometry of symbiotic stars X. EG And, Z And, BF Cyg, CH Cyg, V1329 Cyg, AG Dra, RW Hya, AX Per and IV Vir, 2002, *Contrib. Astron. Obs. Skalnaté Pleso*, **32**, 62
57. Slavcheva-Mihova L., BVRc Ic Surface Photometry of Seyfert Galaxies Mrk 304 And Mrk 3522002, XIV Canary Islands Winter School for Astrophysics, 18-29 Nov., 2002, Tenerife, Spain.
58. Stanchev, O. I., Georgiev, Ts. B., Goranova, Yu. B., R-band photometric profiles of 120 edge-on northern galaxies, 2002, *Publ. Astron. Obs. Belgrade*, **73**, 231-246
59. Stanishev, V., Kraicheva, Z., Boffin, H. M. J., Genkov, V., PX Andromedae: Superhumps and variable eclipse depth, 2002, *A&A*, **394**, 625-632
60. Stanishev, V., NSV 786 is not a cataclysmic variable, 2002, *IBVS*, 5249, 1-4
61. Teriaca, L., Madjarska, M. S., Doyle, J. G., Transition region explosive events: Do they have a coronal counterpart?, 2002, *A&A*, **392**, 309.

Publications year: 2002

62. Tomov N., Tomova M., Hydrogen and helium emission of the symbiotic binary AG Draconis during an active phase (1996-1997), 2002, *A&A*, **388**, 202 – 212

63. Valdez-Gutiérrez, M., Rosado, M., Puerari, I., Georgiev, L., Borissova, J., Ambrocio-Cruz, P., Unveiling the Kinematics and Dynamics of Ionized Gas in the Nearby Irregular Galaxy NGC 4449, 2002, *AJ*, **124**, 3157

64. Гогошева, Цв., Петков, Б., Кръстев, Д., Измерение ультрафиолетового излучения и озона во время солнечного затмения 11 августа 1999г. 2002, *Геомагнетизм и Аерономия*, 2

65. Колева В., Колев Д., Чохаджиев С., Энеолитическая модель небесной сферы из Западной Болгарии, 2002, в: *История и культура Востока Азии. Материалы международной научной конференции, Новосибирск 9 – 13 декабря 2002, Новосибирск, Россия*, 210-216