

Príloha č. 3

3.1. Vedecký výstup - práce

3. Knižné odborné publikácie vydané doma

1. PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 1-272.

6. Kapitoly vo vedeckých monografiách vydaných v zahraničí

2. MEECH, K.J. – SVOREŇ, J.: Using Cometary Activity to Trace the Physical and Chemical Evolution of Cometary Nuclei. In: FESTOU, M.C., KELLER, H.U., WEAVER, H.A. *Comets II*. Tucson, University of Arizona Press, 2004, ISBN 0-8165-2450-5. p. 317-335.

7. Kapitoly v knižných odborných publikáciách vydaných doma

3. HRIC, L. Premenné hviezdy. In PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 186-202.

4. PITTICH, E. Čas, obloha od januára do decembra. In PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 3-89.

5. PITTICH, E. Pohyb planét po oblohe, elongácie a jasnosti, Mesiac krátko po nove. In PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 90-103.

6. PITTICH, E. Kométy. In PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 106-143.

7. PITTICH, E. Galileiho mesiace. In PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 159-172.

8. PITICHOVÁ, J. Kométy roka 2004. In PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 241-268.

9. PORUBČAN, V. Meteorické roje. In PITTICH, E.M. *Astronomická 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 104-105.

1

10. SVOREŇ, J. Teórie vzniku a vývoja asteroidov. In PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 144-158.

11. ZBORIL, M. Chladné škvurny na najchladnejších hviezdach. In PITTICH, E.M. *Astronomická ročenka 2006*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-50-0. p. 228-233.

9. Vedecké práce v časopisoch evidovaných

a/ v Current Contents

12. ATAC, T. – ÖZGÜC, A. – RYBÁK, J. Overview of the flare index during the maximum phase of the solar cycle 23. In *Advances in Space Research*. Vol. 35 (2005), p. 400-405. (0,548 – IF2004)
13. BADALYAN, O. G. – OBRIDKO, V. N. – SÝKORA, J. Cikličeskie izmenenija prostranstvennogo raspredelenija jarkosti zelenoj koronalnoj linii. In *Astronomičeskij žurnal*. Vol. 82 (2005), no. 6, p. 535-543.
• BADALYAN, O.G. – OBRIDKO, V.N. – SÝKORA, J. Cyclic variation in the spatial distribution of the coronal green line brightness. In *Astronomy Reports*. Vol. 49 (2005), no. 6, p. 477-484. (0,649 – IF2004)
14. BADALYAN, O.G. – OBRIDKO, V.N. – RYBÁK, J. – SÝKORA, J. Severo-južnaja asimmetrija solnečnoj aktivnosti i jej kvazidvuchletnije variaciji. In *Astronomičeskij žurnal*. Vol. 82 (2005), no. 8, p. 740-752.
• BADALYAN, O.G. – OBRIDKO, V.N. – RYBÁK, J. – SÝKORA, J. Quasibiennial oscillations of the north-south assymetry. In *Astronomy Reports*. Vol. 49 (2005), no. 8, p. 659-670. (0,649 – IF2004)
15. BADALYAN, O.G. – SÝKORA, J. Bimodal differential rotation of the solar corona. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), no. 3, p.180-198.
16. BELIK, M. – MARKOVÁ, E. – RUŠIN, V. – MINAROVJECH, M. Time-latitudal development of the white-light coronal structures over a solar cycle. In *Solar Physics*. Vol. 224 (2004), p. 269-275. (2,006 – IF2004)
17. BOUZID, M. Y. – STERKEN, C. – PRIBULLA, T. Photometric study of the eclipsing binary V1034 Sco. In *Astronomy and Astrophysics*. Vol. 437 (2005), p. 769-774. (3,694 – IF2004)
18. BUDAJ, J. – RICHARDS, M.T. – MILLER, B.: A Study of Synthetic and Observed H_alpha Spectra of TT Hydreae. In *Astrophysical Journal*. Vol. 623 (2005), p. 411 - 424.
19. CSATÁRYOVÁ, M. – SKOPAL, A. Notices to investigation of symbiotic binaries : III. Approximation of the Roche lobe parameters for asynchronously rotating star in a binary system. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), p. 17-22.
20. DOBROTKA, A. – HRIC, L. – MIKUŠ, M. Searching for observed distribution of flickering flare duration in T CrB. In *Astronomical Society of Pacific Conference Series*. Vol. 330 (2005), p. 361-362.
21. DOBROTKA, A. – RETTER, A. – HRIC, L. – NOVÁK, R. V1493 Aql -searching for periodicity. In *Astronomical Society of Pacific Conference Series*. Vol. 330 (2005), p. 363-364.

22. GÁLIS, R. – HRIC, L. – VIOTTI, R. F. – ŠMELCER, L. – MONTAGNI, F. – MAESANO, M. – ROSSI, C. Symbiotic system AG Dra - photometric and spectroscopic behaviour of 10 years long activity stage. In *Astronomical Society of Pacific Conference Series*. Vol. 330 (2005), p. 453-454.
23. HANSLMEIER, A. – KUČERA, A. – RYBÁK, J. – WOEHL, H. Two-dimensional spectroscopic time series of solar granulation. In *Solar Physics*. Vol. 223 (2004), p. 13-26. (2,006 – IF2004)
24. HRIC, L. – GÁLIS, R. – DOBROTKA, A. – ŠIMON, V. Symbiotic binary YY Her - looking for consistent model of photometric and spectroscopic behaviour. In *Astronomical Society of Pacific Conference Series*. Vol. 330 (2005), p. 455-456.
25. CHOCHOL, D. – KATYSHEVA, N.A. – PRIBULLA, T. – SHUGAROV, S.Yu. – ŠKODA, P. – ŠLECHTA, M. – VOLKOV, I. M. The Slow nova V475 (Nova Scuti 2003) - ejected envelope and variability. In *Astronomical Society of Pacific Conference Series*. Vol. 330 (2005), p. 439-440.
26. CHOCHOL, D. – KATYSHEVA, N.A. – PRIBULLA, T. – SCHMIDTOBREIK, L. – SHUGAROV, S. Yu. – ŠKODA, P. – ŠLECHTA, M. – VITDONE, A.A. – VOLKOV, I.M. Photometric and spectroscopic variability of the slow nova V475 Sct (Nova Scuti 2003). In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), no. 3, p. 107-129.
27. CHOCHOL, D. – PRIBULLA, T. – KATYSHEVA, A. – SHUGAROV, S.Yu. – VOLKOV, I.M. V475 Sct (Nova Scuti) - binary or triple system? In *Astrophysics and Space Science*. Vol. 296 (2005), p.135-139. (0,597 – IF2004)
28. KAŇUCHOVÁ, Z. – SVOREŇ, J. – NESLUŠAN, L. The observed structures in the meteoroid stream of Perseids in the range of photographic meteors. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), no. 3, p 135-162.
29. KLOCOK, L. An electronic archive of the solar prominence observations. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), no.2, p.76-82.
30. KOCIFAJ, M. – HORVATH, H. Reevaluation of the quondam dust trend in the middle atmosphere. In *Applied Optics*. Vol. 44 (2005), no. 34, p.7378-7393. (1,799-IF 2004)
31. KOCIFAJ, M. – HORVATH, H. Inversion of extinction data for irregularly shaped particles. In *Atmospheric Environment*. Vol. 39 (2005), p. 1481-1495. (2,562-IF 2004)
32. KOCIFAJ, M. – KLAČKA, J. The capture of interstellar dust: The Lorenz force. In *Planetary and Space Science*. Vol. 52 (2005), no. 9, p. 839-847. (1,459 – IF2004)
33. KUDELA, K. – MINAROVJECH, M. – RUŠIN, V. – RYBANSKÝ, M. – KOLLÁR, V. On one approach to space weather studies from ground based observations during 1953-2001. In *Advances in Space Research*. Vol. 36 (2005), p. 2368-2371. (0,548 – IF2004)

34. LINDBLAD, B.A. – NESLUŠAN, L. – PORUBČAN, V. – SVOREŇ, J. IAU meteor database of photographic orbits - version 2003. In *Earth, Moon and Planets*. Vol. 93 (2005), p. 249-260. (0,770 – IF 2004).
35. MEECH, K. J. – AGEORGES, N. – A'HEARN, M. – ... – PITTICHOVÁ, J. a 199 spoluautorov. Deep Impact: Observations from a Worldwide Earth-Based Campaign. In *Science*, Vol. 310 (2005), Issue 5746, p. 265-269. (31,853 – IF2004)
36. MINAROVJECH, M. – KUDELA, K. Cosmic rays and solar emissions: cross-correlations of the time series. In *Solar Physics*. Vol. 224 (2004), p. 285-290. (2,006-IF2004)
37. NESLUŠAN, L. Astrometry of minor planets made at the Skalnaté Pleso observatory in the year 2003. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), p. 45-58.
38. NESLUŠAN, L. The potential meteoroid streams crossing the orbits of terrestrial planets. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), no. 3, p.163-179.
39. NESLUŠAN, L. – JAKUBÍK, M. Some characteristics of the outer Oort cloud as inferred from observations of new comets. In *Astronomy and Astrophysics*. Vol. 437 (2005), p. 1093-1108. (3,694-IF 2004)
40. ÖZGÜC, A. – TAMER, A. – RYBÁK, J. Evaluation of the short-term periodicities in the flare index between the years 1966-2002. In *Solar Physics*. Vol. 223 (2004), p. 287-304. (2,006-IF 2004)
41. PARIMUCHA, Š. – CHOCHOL, D. – PRIBULLA, T. – VAŇKO, M. Periodic variations in symbiotic novae. In *Astronomical Society of Pacific Conference Series*. Vol. 330 (2005), p. 459-460.
42. PARIMUCHA, Š. – VAŇKO, M. Photometry of the variable stars using CCD detectors: I. Photometric reduction. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), p. 35-44.
43. PLANAT, M. – SANIGA, M. Galois algebras of squeezed quantum phase states. In *Journal of Optics B: Quantum and Semiclassical Optics*. Vol. 7 (2005), p. S484-489. (1,746-IF2004)
44. PORUBČAN, V. – KORNOŠ, L. The Quadrantid meteor stream and 2003 EH1. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), p. 5-16.
45. PORUBČAN, V. – KORNOŠ, L. – CEVOLANI, G. – PUPILLO, G. The orbit and evolution of the Geminid meteoroid stream. In *Il Nuovo Cimento*. Vol. 27C (2004), no. 3, p. 395-400. (0,272-IF2004)
46. PRIBULLA, T. – CHOCHOL, D. – TREMKO, J. – KREINER, J. M. The light-time effect in short-period eclipsing binaries. In *Astronomical Society of Pacific Conference Series*. Vol. 335 (2005), p. 103-113.

47. PRIBULLA, T. – VAŇKO, M. – CHOCHOL, D. – PARIMUCHA, Š. – BALUĎANSKÝ, D. CCD photometry of the neglected contact binaries V344 Lac and V1191 Cyg. In *Astrophysics and Space Science*. Vol. 296, (2005), no. 1-4, p.281-284. (0,597-IF 2004)
48. PUPILLO, G. – PORUBČAN, V. – BORTOLOTTI, G. – CEVOLANI, G. – FRANCESCHI, C. – HAJDUK, A. – KORNOŠ, L. – TRIVELLONE, G. – ZIGO, P. The Geminid meteor shower of 1996-2003 from forward-scatter observations: activity and mass distribution. In *Il Nuovo Cimento*. Vol. 27C (2004), no. 4, p. 301-305. (0,272-IF2004)
49. ROVITHIS-LIVANIOU, H. – TSANTILAS, P. – ROVITHIS, P. – CHOCHOL, D. – SKOPAL, A. – PRIBULLA, T. The eclipsing binary BX Andromedae and its orbital period behaviour. In *Astrophysics and Space Science*. Vol. 296, (2005), no. 3, p.101-104. (0,597-IF 2004)
50. RYBANSKÝ, M. – RUŠIN, V. – MINAROVJECH, M. – KLOCOK, L. – CLIVER, E.W. Reexamination of the coronal index of solar activity. In *Journal of Geophysical Research*. Vol. 110 (2005), A08106, p. 1-9. (2,839 – IF2004)
51. RYBÁK, J. – ÖZGÜC, A. – ATAC, T. – SOZEN, E. Intermittence of the short-term periodicities of the flare index. In *Advances in Space Research*. Vol. 35 (2005), p. 406-409. (0,548-IF2004)
52. SANIGA, M. On an observer-related unequivalence between spatial dimensions of a generic Cremonian universe. In *Chaos, Solitons and Fractals*. Vol. 23 (2005), p. 1935-1939. (1,526 – IF2004)
53. SANIGA, M. Cremonian space-time(s) as an emergent phenomenon. In *Chaos, Solitons and Fractals*. Vol. 23 (2005), p. 645-650. (1,526 – IF2004)
54. SANIGA, M. On Cremonian dimensions qualitatively different from time and space. In *Chaos, Solitons and Fractals*. Vol. 25 (2005), p. 515-520. (1,526 – IF2004)
55. SANIGA, M. – PLANAT, Michel. Viewing sets of mutually unbiased bases as arcs in finite projective planes. In *Chaos, Solitons and Fractals*. Vol. 26 (2005), 1267-1270. (1,526 – IF2004)
56. SHUGAROV, S.Yu – GORANSKIJ, V.P. – KATYSHEVA, N.A. – KUSAKIN, A.V. – METLOVA, N.V. – VOLKOV, I.M. – CHOCHOL, D. – PRIBULLA, T. – KARITSKAJA, E.A. – RETTER, A. – SHEMMER, O. – LIPKIN, Y. Photometric evolution of the orbital light curves of the slow nova V723 Cas. In *Astrophysics and Space Science*. Vol. 296 (2005), p. 431-434. (0,597 – IF2004)
57. SKOPAL, A. Disentangling the composite continuum of symbiotic binaries : I. S-type systems. In *Astronomy and Astrophysics*. Vol. 440 (2005), p. 995-1031. (3,694-IF2004)
58. SKOPAL, A. Present understanding of the light curves of symbiotic binaries. In *Astrophysics and space Science*. Vol. 296 (2005), p. 421-425. (0,597-IF 2004)

59. SKOPAL, A. Reconstruction of the SED in the UV/optical/IR continuum of symbiotic binaries. In *Astronomical Society of the Pacific Conference Series*. Vol. 318 (2004), p. 367-370.
60. SKOPAL, A. Accretion-powered symbiotic binaries: EG And and CQ Dra. In *Astronomical Society of the Pacific Conference Series*, Vol. 330, (2005), p. 463-464.
61. SKOPAL, A. – KOMŽÍK, R. – CSATÁRYOVÁ, M. On the asynchronous rotation of accretors in interacting binaries. In *Astrophysics and Space Science*. Vol. 296 (2005), p. 427-430. (0,597-IF2004)
62. SVOREŇ, J. – KAŇUCHOVÁ, Z. Perseids - the list of photographic orbits. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), no.3, p.199-220.
63. SÝKORA, J. – RYBÁK, J. Coronal manifestations of solar variability. In *Advances in Space Research*. Vol. 35 (2005), p. 393-399. (0,548-IF2004)
64. TEMMER, M. – RYBÁK, J. – VERONIG, A. – HANSLMEIER, A. What causes the 24-day period observed in solar flares? In *Astronomy and Astrophysics*. Vol. 433 (2005), p. 707-712. (3,694-IF2004)
65. ZBORIL, M. – AMADO, P.J. – OLIVEIRA, J.M. – MORENO, C. H-alfa spectroscopy of SB2 systems AR Lac, KT Peg and KZ And. In *Astronomical Society of the Pacific Conference Series*, Vol. 318 (2004), p. 382-384.
66. ZBORIL, M. – OLIVEIRA, J. M. – MESSINA, S. – DJURAŠEVIČ, G. – AMADO, P. J. Search for activity-induced variability in AR Lac, KT Peg, KZ And, II Peg and El Eri in autumn 1997. In *Contributions of the Astronomical Observatory Skalnaté Pleso*. Vol. 35 (2005), 23-34.

Poznámka: Práce publikované v *Contributions of the Astronomical Observatory Skalnaté Pleso* a v *Astronomical Society of Pacific Conference Series* nemajú uvádzaný Impact Factor. Ide o časopisy vydávané menej ako štyrikrát ročne a preto indexované v Current Contents / Physical, Chemical & Earth Sciences / Current Book Contents, pre ktoré sa IF neuvádzajú.

b/ v NASA ADS

(*Astrophysics Data Service* - http://adsabs.harvard.edu/abstract_service.html)

67. BADALYAN, O. G. – OBRIDKO, V. N. – SÝKORA, J. Space-time distributions of the coronal green-line brightness and solar magnetic fields. In *Astronomical and Astrophysical Transactions*. Vol. 23 (2004), no. 6, p. 555-566.
68. GÖMÖRY, P. – RYBÁK, J. – KUČERA, A. – CURDT, W. – WOELH, H. Variability and dynamics of the outer atmospheric layers in the quiet Solar network. In *Hvar Observatory Bulletin*. Vol. 29, (2005), no.1, p. 71-77.

69. KLAČKA, J. – KOCIFAJ, M. – PÁSTOR, P. Motion of dust near exterior resonances with planet. In *Journal of Physics: Conference Series*. Vol. 6, (2005), p. 126-131. (0,101-IF2004)
70. KOCIFAJ, M. – HORVATH, H. Retrieval of size distribution for urban aerosols using multispectral optical data. In *Journal of Physics: Conference Series*. Vol. 6, (2005), p. 97-102. (0,101-IF2004)
71. KOZA, J. – KUČERA, A. Response functions of spectral lines suitable for diagnostics of Solar rotation. In *Hvar Observatory Bulletin*. Vol. 29, (2005), no.1, p. 21-30.
72. KUČERA, A. – WOEHL, H. – RYBÁK, J. – GÖMÖRY, P. – TOMASZ, F. High resolution observations of a M5.4 flare. In *Hvar Observatory Bulletin*. Vol. 29 (2005), no. 1, p. 177-186.
73. NESLUŠAN, L. – RYCHTARČÍK, P. – HUSÁRIK, M. – ČERVÁK, G. – KAŇUCHOVÁ, Z. – JAKUBÍK, M. Observations of asteroids in 2003. In *Minor Planet Circular*. no. 53629 (2005).
74. NESLUŠAN, L. – RYCHTARČÍK, P. – HUSÁRIK, M. – ČERVÁK, G. – JAKUBÍK, M. Observations of minor planets. In *Minor Planet Circular*. no. 54966 (2005).
75. ODERT, P. – HANSLMEIER, A. – RYBÁK, J. – KUČERA, A. – WOEHL, H. One-dimensional spectroscopy of the solar photosphere. In *Hvar Observatory Bulletin*. Vol. 28, (2004), no.1, p. 37-45.
76. THOLEN, D.J. – VEILLET, C. – MEECH, K.J. – BALAM, D.D. – PITTICHOVÁ, J. – ALLEN, L. – HSIE, H. – BERNARDI, F. – TOMBELLI, M. – BURDULLIS, T. Minor planet observations. In *Minor Planet Circular* no. 53636 (2005).
77. TOMASZ, F. – RYBÁK, J. – KUČERA, A. – CURDT, W. – WOEHL, H. Influence of transition region blinker on the surrounding chromospheric and coronal plasma. In *Hvar Observatory Bulletin*. Vol. 29 (2005), no. 1, p. 197-204.
78. ZBORIL, M. Differential photometry of EK Dra and 29 Dra. In *Serbian Astronomical Journal*. Vol. 170 (2005), p. 111-114.

10. Vedecké práce v ostatných časopisoch

79. HAJDUKOVÁ JR., M. Highly hyperbolic orbits in the IAU MDC photographic data. In *Acta Astronomica et Geophysica Universitatis Comenianae*. Vol. 25 (2004), p. 25-30.
80. HAJDUKOVÁ JR., M. Extremely high velocity meteoroids in IAU MDC radar data. In *Acta Astronomica et Geophysica Universitatis Comenianae*. Vol. 25 (2004), p. 31-36.
81. HAJDUKOVÁ JR., M. Retrográdne dráhy a interstelárne meteoroidy. In *Meteorické správy*. Vol. 26 (2005), p. 19-24.

82. CHRASTINA, M. SZÁSZ, G., PETRÍK, K. HRIC, L. Fotometria premenných hviezd v Hlohovci, Veľmi mäkký röntgenový zdroj QR And. In *Perseus*. Vol. 15 (2005) no. 1, p. 2-7.
83. CHRASTINA, M. SZÁSZ, G., PETRÍK, K. HRIC, L. Veľmi mäkké röntgenové zdroje. In *Perseus*. Vol. 15 (2005) no. 1, p. 8-12.
84. NESLUŠAN, L. Tok meteoroidov križujúcich dráhy terestrických planét. In *Meteorické správy*. Vol. 26 (2005), p. 33-39.
85. PORUBČAN, V. – KORNOŠ, L. Meteorický komplex Tauríd. In *Meteorické správy*. Vol. 26 (2005), p. 1-10.
86. PRIBULLA, T. – BALUĎANSKÝ, D. – CHOCHOL, D. – CHRASTINA, M. – PARIMUCHA, Š. – PETRÍK, K. – SZASZ, G. – VAŇKO, M. – ZBORIL, M. New minima of selected eclipsing close binaries. In *Information Bulletin on Variable Stars*. no. 5668 (2005), p. 1-6.
87. PUPILLO, G. – CEVOLANI, G. – BORTOLOTTI, G. – FRANCESCHI, C. – GRASI, G. – HAJDUK, A. – PORUBČAN, V. – TRIVELLONE, G. The Leonid storms: an astrobiology target. In *Memorie della societa astronomica italiana supplementi*. Vol. 6 (2005), p. 146-150.
88. ROZBORIL, J. – PORUBČAN, V. Kvadrantidy, filamentárna štruktúra a vývoj. In *Meteorické správy*. Vol. 26 (2005), p. 25-32.
89. SVOREŇ, J. – KAŇUCHOVÁ, Z. – JAKUBÍK, M. Vlákna Perzeíd - štatistika a modelovanie. In *Meteorické správy*. Vol. 26 (2005), p. 11-18.
90. ZBORIL, M. Search for vertical helium abundance in He-rich star. In *Memorie della societa astronomica Italiana supplementi*. Vol. 7 (2005), p. 136-139.

11. Vedecké práce v zborníkoch (konferenčných aj nekonferenčných, vydaných tlačou alebo na CD)

a/ recenzovaných

91. BADALYAN, O. G. – OBRIDKO, V. N. – SÝKORA, J. Cyclic variations in distribution of the coronal green line brightness and solar magnetic field. In STEPANOV, A.V., BENEVOLENSKAYA, E.B., KOSOVICHEV, A.G. *Multi-wavelength investigations of solar activity*. Cambridge: Cambridge University Press. 2004 ISBN 0521851955. p. 69-72.
92. GÖMÖRY, P. – RYBÁK, J. – KUČERA, A. – CURDT, W. – WOEHL, H. Analysis of Doppler shifts of spectral lines obtained by the CDS/SOHO instrument. In HANSLMEIER, A., Veronig, A., Messerotti, M. *Solar magnetic phenomena: Proceedings of the 3rd summerschool and workshop held at the solar observatory Kanzelhoehe*. Dordrecht: Springer 2005. ISBN 1-4020-2961-6. p. 203-206.
93. ILIEV, I. Kh. – FEŇOVČÍK, M. – BUDAJ, J. – ŽIŽŇOVSKÝ, J. – ZVERKO, J. – BARZOVA, I. – STATEVA, I. A search for SB2 systems among selected Am binaries. In ZVERKO, J., ŽIŽŇOVSKÝ, J., ADELMAN, S.J., WEISS, W.W. *The A-star Puzzle*:

Proceedings of the 224 th Symposium of International Astronomical Union. Cambridge: Cambridge University Press, 2005. ISBN 0521850185. p. 301-306.

94. KLAČKA, J., – KOCIFAJ, M. Invariant of motion for interstellar dust captured in the Solar System. In: KNEŽEVIĆ, Z, MILANI, A. *Dynamics of Populations of Planetary Systems: Proceedings of the 197th Colloquium of International Astronomical Union.* Cambridge: Cambridge University Press, 2005. ISBN 0-521-185203-X. p. 415-420
95. NESLUŠAN, L. The distributions of angular elements of new comets. In KNEŽEVIĆ, Z . MILANI, A. *Dynamics of Populations of Planetary Systems: Proceedings of the 197th Colloquium of International Astronomical Union.* Cambridge: Cambridge University Press, 2005. ISBN 0-521-185203-X. p. 329-334.
96. ÖZGÜC, A. – ATAC, T. – RYBÁK, J. Evidence of the fundamental periodicity in the flare index between the years 1966-2002. In STEPANOV, A.V., BENEVOLENSKAYA, E.B., KOSOVICHEV, A.G. *Multi-wavelength investigations of solar activity.* Cambridge: Cambridge University Press, 2005. ISBN 0 521 85195 5. p. 557-558.
97. PLANAT, M. – SANIGA, M. Abstract algebra, projective geometry and time encoding of quantum information. In BUCCHERI, R., ELITZUR, A., SANIGA, M. *Endophysics, Time, Quantum and the Subjective: proceedings of a ZIF Advanced Interdisciplinary Workshop.* Singapore: World Scientific Publishing Co, 2005. ISBN 981-256-509-4. p. 409-426.
98. SANIGA, M. A geometrical chart of altered temporality (and spatiality). In BUCCHERI, R., ELITZUR, A., SANIGA, M. *Endophysics, Time, Quantum and the Subjective: proceedings of a ZIF Advanced Interdisciplinary Workshop.* Singapore: World Scientific Publishing Co, 2005. ISBN 981-256-509-4. p. 245-272.
99. SKOPAL, A. – ERRICO, L. – VITTONE, A.A. – TAMURA, S. – OTSUKA, M. – WOLF, M. – ELKIN, V.G. A multiple mass-ejection by the symbiotic prototype Z And during its 2000-03 outburst. In BURDERI, L., ANTONELLI, L.A., D'ANTONA, F., DI SALVO, T., ISRAEL, G.L., PIERSANTI, L., TORNAMB, A., STRANIERO, O. *Interacting binaries: Accretion, Evolution, and Outcomes – AIP Conference Proceedings Vol. 797.* Melville: American Institute of Physics, 2005. ISBN 0-7354-0286-8. p. 557-560.
100. TOMASZ, F. – RYBÁK, J. – KUČERA, A. – CURDT, W. – WOEHL, H. On the behaviour of a blinker in chromospheric and transition region layers. In HANSLMEIER, A. VERONIG, A., MESSEROTTI, M. *Solar magnetic phenomena: Proceedings of the 3rd summerschool and workshop held at the solar observatory Kanzelhoehe.* Dordrecht: Springer, 2005. ISBN 1-4020-2961-6. p. 207-210.
101. ZAMANOV, R. – BODE, M.F. – MARZIANI, R. – DAVIS, R.J. – EYRES, S.P.S. – GOMBÖC, A. – PORTER, J. – SKOPAL, A. White dwarfs with jets as non-relativistic analogues of quasars and microquasars? In BURDERI, L., ANTONELLI, L.A., D'ANTONA, F., DI SALVO, T., ISRAEL, G.L., PIERSANTI, L., TORNAMB, A., STRANIERO, O. *Interacting binaries: Accretion, Evolution, and Outcomes – AIP Conference Proceedings Vol. 797.* Melville: American Institute of Physics, 2005. ISBN 0-7354-0286-8. p. 655-658.

b/ nerecenzovaných

102. BADALYAN, O. G. – OBRIDKO, V. N. – RYBÁK, J. – SÝKORA, J. Severo-južná asymetria slnečnej koróny a jej kvázi-dvojročné oscilácie. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 89-100.
103. BADALYAN, O.G. – SÝKORA, J. Dva režimy (módy) v rotácii slnečnej koróny. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 141-145.
104. DOROTOVIČ, I. – RYBÁK, J. O variabilite vzťahu jasnosti zelenej koróny a toku magnetického poľa vo fotosfére. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 146-151.
105. GÖMÖRY, P. – RYBÁK, J. – KUČERA, A. – CURDT, W. – WOEHL, H. Eruptívny jav v prechodovej vrstve pozorovaný prístrojom CDS/SOHO. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 117-121.
106. KLOCOK, L. Elektronický archív pozorovania slnečných protuberancií na observatóriu Lomnický štít. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 226-228.
107. KOZA, J. Vplyv teplotných zmien v modeloch slnečnej fotosféry na profil spektrálnych čiar. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 60-66.
108. KUČERA, A. Slnečná granulácia. Teória. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 38-45.
109. MINAROVJECH, M. Časovo-sírkové rozdelenie intenzít zelenej emisnej koróny 5. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 137-140.
110. PINTÉR, T. – RYBANSKÝ, M. – MINAROVJECH, M. O polarizácii v emisnej čiare koróny 530,3 nm. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 154-157.
111. TOMASZ, F. – RYBÁK, J. – KUČERA, A. – CURDT, W. – WOEHL, H. Štúdium záblesku v chromosfére a prechodovej oblasti. In DOROTOVIČ, I. *Zborník referátov zo 17. celoštátneho seminára*. Hurbanovo: Slovenská ústredná hvezdáreň, 2005. ISBN 80-85221-49-7. p. 112-116.

13. Recenzie vedeckých prác vo vedeckých časopisoch

- 112-125. SOLOVAYA, N.A. 14 vyžiadaných a publikovaných review 14 publikovaných prác pre *Zentralblatt MATH*.

16. Vydané periodiká evidované v Current Contents

126. *Contribution of the Astronomical Observatory Skalnaté Pleso*, zväzok 35, Astronomický ústav SAV, eds. J. SVOREŇ a R. KOMŽÍK, 3 čísla v r. 2005.

18. Vydané a editované zborníky z vedeckých podujatí

127. BUCCHERI, R. – ELITZUR, A. – SANIGA, M. *Endophysics, Time, Quantum and the Subjective: proceedings of a ZIF Advanced Interdisciplinary Workshop*. Singapore: World Scientific Publishing Co., 2005. 629 s. ISBN 981-256-509-4.

Vyšlo aj na CD-ROM

128. ZVERKO, J. – ŽIŽŇOVSKÝ, J. – ADELMAN, S.J. – WEISS, W.W. *The A-star Puzzle: Proceedings of the 224 th Symposium of International Astronomical Union held in Poprad, Slovak Republic, July 8-13, 2004*. Cambridge: Cambridge University Press, 2005. 542 s. ISBN 0521850185.

20. Vedecké práce uvedené na internete

a/ v cudzom jazyku

129. BUDAJ, J. – RICHARDS, M. T. Modeling the spectrum of TT Hya: an Algol binary with a disc. In ZVERKO, J., ŽIŽŇOVSKÝ, J., ADELMAN, S.J., WEISS, W.W. *The A-star Puzzle: Proceedings of the 224 th Symposium of International Astronomical Union*. Cambridge: Cambridge University Press, 2005. ISBN 0521850185. p. 886-899.

130. FEŇOVČÍK, M. – BUDAJ, J. – ILIEV, I. – RICHARDS, M. T. – BARZOVA, I. Search for tidally driven abundance anomalies in Am stars. In ZVERKO, J., ŽIŽŇOVSKÝ, J., ADELMAN, S.J., WEISS, W.W. *The A-star Puzzle: Proceedings of the 224 th Symposium of International Astronomical Union*. Cambridge: Cambridge University Press, 2005. ISBN 0521850185. p. 749-755.

131. KRTIČKA, J. – MIKULÁŠEK, Z. – ZVERKO, J. – ŽIŽŇOVSKÝ, J. The dependence of the energy distribution on the abundances of A-star atmosphere models. In ZVERKO, J., ŽIŽŇOVSKÝ, J., ADELMAN, S.J., WEISS, W.W. *The A-star Puzzle: Proceedings of the 224 th Symposium of International Astronomical Union*. Cambridge: Cambridge University Press, 2005. ISBN 0 521 85018 5. p. 706-710.

132. MIKULÁŠEK, Z. – ZVERKO, J. – ŽIŽŇOVSKÝ, J. – JANÍK, J. The analyses of the light curves of magnetic CP stars by advanced PCA methods. In ZVERKO, J. ŽIŽŇOVSKÝ, J., ADELMAN, S.J., WEISS, W.W. *The A-star Puzzle: Proceedings of the 224 th Symposium of International Astronomical Union*. Cambridge: Cambridge University Press, 2005. ISBN 0 521 85018 5. p. 657-661.

133. PITTICHOVÁ, J. – YANG, B. – MEECH, K.J. – MARSDEN, B.G. Observations of 2004 ES95, In *Minor Planet Electronic Circular* no. 2005-L45 (2005).

134. PITTICHOVÁ, J. – MEECH, K.J. – WASSERMAN, L.H. – MARSDEN, B.G. Observations of 2003 WU188, In *Minor Planet Electronic Circular* no. 2005-C53 (2005).

135. POLOSUKHINA, N. – SHAVRINA, A. – DRAKE, N. A. – TSYMBAL, V. – HACK, M. – NORTH, p. – KHALACK, V. – ZVERKO, J. – ŽIŽŇOVSKÝ, J. – PAVLENKO, Ya. The Enigma of lithium in roAp stars. In ZVERKO, J., ŽIŽŇOVSKÝ, J., ADELMAN, S.J., WEISS, W.W. *The A-star puzzle: Proceedings of the 224 th Symposium of International Astronomical Union held in Poprad, Slovak Republic, July 8-13,2004*. Cambridge: Cambridge University Press, 2005. ISBN 0 521 85018 5. p. 665-672.