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| Riešiteľ | DOBROTKA Andrej |
| Pozícia na projekte | Vedecko-výskumný pracovník |
| Vedecké identifikátory | WoS (Researcher ID): ERJ-9211-2022, Scopus (AuthorID): 8956647500, ORCID: |
| Vedecké zameranie | spracovanie signálov, periodických, kváziperiodických a stochastických javov, transfer analytických metód z astrofyziky do materiálového inžinierstva |
| Publikačná činnosť s ohlasmí (aktuálne k 31.10.2022) | |
| V2 Vedecký výstup publikačnej činnosti ako časť editovanej knihy alebo zborníka | |
| V2_01 | DOBROTKA, Andrej - BEZÁK, Pavol - MAGDOLEN, Jozef - BENKA, Denis. Fast variability in accretion systems research group. In <i>Bulletin vedeckých príspevkov : Bulletin vedeckých príspevkov z projektu Vedeckovýskumné centrum excelentnosti Slovákov pre materiálový a interdisciplinárny výskum</i> . 1. vyd. Bratislava : Spektrum, 2022, S. 35-40. ISBN 978-80-227-5220-6. Typ výstupu: príspevok; Výstup: domáci; Kategória publikácie do 2021: AED |
| V2_02 | VAŠOVÁ, Sabína - BENKA, Denis - DOBROTKA, Andrej - STRÉMY, Maximilián. The feasibility of a convolutional neural network in the detection of variable phenomena in astronomical observations. In <i>International Doctoral Seminar 2022 : 27. - 28. 04. 2022, Smolenice, SR</i> . 1. vyd. Trnava : AlumniPress, 2022, S. 323-337. ISBN 978-80-8096-292-0. Typ výstupu: príspevok z podujatia; Výstup: domáci; Kategória publikácie do 2021: AFD |
| V3 Vedecký výstup publikačnej činnosti z časopisu | |
| V3_01 | ANTONUCCIO, Vincenzo - DOBROTKA, Andrej - BECCIANI, U. - CIELO, S. - GIOCOLI, C. - MACCIO, A.V. - ROMEO-VELONÁ, A. Dissecting the spin distribution of dark matter haloes. In <i>Monthly Notices of the Royal Astronomical Society</i> . Vol. 407, Iss. 2 (2010), s.1338-1346. ISSN 0035-8711 (2010: 4.900 - IF, Q1 - JCR Best Q, 3.180 - SJR, Q1 - SJR Best Q). V databáze: WOS ; SCOPUS. Kategória publikácie do 2021: ADC Ohlasy: 1. [1] DE SOUZA, R. S. - CIARDI, B. - MAIO, U. - FERRARA, A. Dark matter halo environment for primordial star formation. In <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, vol. 428, iss. 3, s.2109-2117. Ohlas: zahraničný 2. [1] ONIONS, J. - ASCASIBAR, Y. - BEHROOZI, P. - CASADO, J. - ELAHI, P. - HAN, J. - KNEBE, A. - LUX, H. - MERCHAN, M. E. - MELDREW, S. I. - NEYRINCK, M. - OLD, L. - PEARCE, F. R. - POTTER, D. - RUIZ, A. N. - SGRO, M. A. - TWEED, D. - YUE, T. Subhaloes gone Notts: Spin across subhaloes and finders. In <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, vol. 429, iss. 3, s.2739-2747. Ohlas: zahraničný 3. [1] ROMANOWSKY, A. J. - FALL, S. M. Angular momentum and galaxy formation revisited. In <i>Astrophysical Journal</i> , 2012, vol. 203, iss. 2, s.Art. Nr. 17. Ohlas: zahraničný 4. [1] RINDLER-DALLER, T. - SHAPIRO, P. R. Angular momentum and vortex formation in Bose-Einstein-condensed cold dark matter haloes. In <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, vol. 422, iss. 1, s.135-161. Ohlas: zahraničný 5. [1] ISHIYAMA, T. - RIEDER, S. - MAKINO, J. - PORTEGIES ZWART, S. - GROEN, D. - NITADORI, K. - DE LAAT, C. - MCMILLAN, S. - HIRAKI, K. - HARFST, S. The cosmogrid simulation: Statistical properties of small dark matter halos. In <i>Astrophysical journal</i> , 2013, vol. 767, iss. 2, s.Art. Nu. 146. Ohlas: zahraničný 6. [1] AHN, J. - KIM, J. - SHIN, J. - KIM, S. S. - CHOI, Y. Y. Halo spin parameter in cosmological simulations. In <i>Journal of the Korean astronomical society</i> , 2014, vol. 47, iss. 2, s.77-86., Registrované v: CC Ohlas: zahraničný 7. [1] Cousin, Morgane - Lagache, Guilaine - Béthermin, Matthieu - Guiderdoni, Bruno. Towards a new modelling of gas flows in a semi-analytical model of galaxy formation and evolution. In <i>Astronomy and Astrophysics</i> , 2015, 575, pp. ISSN 0004-6361., Registrované v: SCOPUS, WOS, CC Ohlas: zahraničný 8. [1] Wang, Yang - Lin, Weipeng - Pearce, Frazer R. - Lux, Hanni - Muldrew, Stuart I. - Onions, Julian. Solving the puzzle of subhalo spins. In <i>Astrophysical Journal</i> , 2015, 801, 2, pp. ISSN 0004-637X., Registrované v: SCOPUS, WOS, CC Ohlas: zahraničný 9. [1] LIAO, Shihong - Cheng, Dalong - Chu, M.C. - Tang, Jiayu. ANGULAR MOMENTUM-MASS RELATION FOR DARK MATTER HALOS. In <i>ASTROPHYSICAL JOURNAL</i> , 2015, vol. 809, no. 1, pp. ISSN 0004-637X., Registrované v: SCOPUS, CC, WOS Ohlas: zahraničný 10. [1] DE SOUZA, R. S. - Ciardi, B. - AMADA-Analysis of multidimensional astronomical datasets. In <i>ASTRONOMY AND COMPUTING</i> , 2015, vol. 12, no., pp. 100-108. ISSN 2213-1337., Registrované v: SCOPUS, CC, WOS Ohlas: zahraničný 11. [1] KIM, Juhan - Choi, Yun-Young - Kim, Sungsoo S. - Lee, Jeong-Eun. STOCHASTIC MODEL OF THE SPIN DISTRIBUTION OF DARK MATTER HALOS. In <i>ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES</i> , 2015, vol. 220, no. 1, pp. ISSN 0067-0049., Registrované v: CC, SCOPUS, WOS Ohlas: zahraničný 12. [1] SCHOBESBERGER, Sonja O. - RINDLER-DALLER, Tanja - SHAPIRO, Paul R. Angular momentum and the absence of vortices in the cores of fuzzy dark matter haloes. In <i>Monthly Notices of the Royal Astronomical Society</i> , |

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- V3_02 AYDI, E. - ORIO, M. - BEARDMORE, A.P. - NESS, Jan-Uwe - PAGE, K. L. - KUIN, N. Paul M. - WALTER, F. M. - BUCKLEY, Donald H - MOHAMED, S. - WHITELOCK, P. - OSBORNE, Julian. P. - STRADER, J. - CHOMIUK, Laura - DARNLEY, M.J. - DOBROTKA, Andrej - KNIAZEV, A. - MISZALSKI, B. - MYERS, G. - OSPINA, N. - HENZE, M. - STARRFIELD, Sumner - WOODWARD, Charles E. Multiwavelength observations of V407 Lupi (ASASSN-16kt) - a very fast nova erupting in an intermediate polar. In *Monthly Notices of the Royal Astronomical Society*. Vol. 480, iss. 1 (2018), s. 572-609. ISSN 0035-8711 (2018: 5.231 - IF, Q1 - JCR Best Q, 2.422 - SJR, Q1 - SJR Best Q). V databáze: CC: 000442567900043 ; SCOPUS ; DOI: 10.1093/mnras/sty1759 ; MLJ ; WOS.
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Ohlasy:
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- V3_03 DOBROTKA, Andrej - NESS, Jan-Uwe. Multifrequency nature of the 0.75 mHz feature in the X-ray light curves of the nova V4743 Sgr. In *Monthly Notices of the Royal Astronomical Society*. Vol. 405, iss. 4 (2010), s.2668-2682. ISSN 0035-8711 (2010: 4.900 - IF, Q1 - JCR Best Q, 3.180 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS ; WOS.
Kategória publikácie do 2021: ADC
Ohlasy:
1. [1] PIETSCH, W. - HENZE, M. - HABERL, F. - HERNANZ, M. - SALA, G. - HARTMANN, D. H. - DELLA VALLE, M. Nova M31N 2007-12b: Supersoft X-rays reveal an intermediate polar? In *Astronomy & Astrophysics*, 2011, vol. 531, s.Art. Nu. A22.
Ohlas: zahraničný
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10. [1] ZERNKO, P. - CIROI, S. - ORIO, M. - ODENDAAL, A. - SHUGAROV, S. - BARSUKOVA, E. - BIANCHINI, A. - CRACCO, V. - GABDEEV, M. - GORANSKIJ, V. - TOFFLEMIRE, B. - VALEEV, A. F. - KATYSHEVA, N. Optical observations of 'hot' novae returning to quiescence. In *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*, 2018, vol. 480, no. 4, pp. 4489-4504. ISSN 0035-8711., Registrované v: WOS, CC, SCOPUS
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- V3_04 DOBROTKA, Andrej - HRIC, L - PETRÍK, Karol. Fluctuation of the mass transfer rate in T CrB. In *Baltic Astronomy*. Vol. 13, č. 1 (2004), s.159-162. ISSN 1392-0049 (2004). V databáze: SCOPUS ; WOS.
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- V3_05 DOBROTKA, Andrej - HRIC, L - PETRÍK, Karol. The new view on the long-therm flickering in T CrB. In *Revista mexicana de astronomia y astrofísica*. Vol. 20 (2004), s.235. V databáze: SCOPUS.
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| V3_06 | <p>DOBROTKA, Andrej - RETTER, A. - HRIC, L - NOVAK, R. - SHEMMER, O. - LIPKIN, Y. V 1493 AQL an extremely distant nova? In <i>Revista mexicana de astronomia y astrofisica</i>. Vol. 20 (2004), s.236. V databáze: SCOPUS.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] POGGIANI, R. The spectroscopic evolution of V2362 Cyg (Nova Cygni 2006) in the first 15 months after the outburst. In <i>New Astronomy</i>, 2009, vol. 14, iss. 1, s.4-10. <p>Ohlas: zahraničný</p> |
| V3_07 | <p>DOBROTKA, Andrej - RIEDLMAJER, Robert - RETTER, A. - HRIC, L - NOVÁK, Rudolf. V 1493 aquilae - an extremely distant nova. In <i>Materials Science and Technology [elektronický zdroj]</i>. Roč. 4, č. 2 [cit. 2004-08-09 (2004)]. ISSN 1335-9053.</p> <p>Kategória publikácie do 2021: ADF</p> |
| V3_08 | <p>DOBROTKA, Andrej - HRIC, L - MIKUŠ, M. Searching for Observed Distribution of Flickering Flare Duration in T CrB. In <i>The Astrophysics of Cataclysmic Variables and Related Objects</i>. Vol. 330 (2005), s.361-362. V databáze: WOS.</p> <p>Kategória publikácie do 2021: ADE</p> |
| V3_09 | <p>DOBROTKA, Andrej - HRIC, L - CASARES, J. - SHAHBAZ, T. - MARTÍNEZ-PAIS, I.G. - MUÑOZ-DARIAS, T. Searching for flickering statistics in T CrB. In <i>Monthly Notices of the Royal Astronomical Society</i>. Vol. 402. Iss. 4 (2010), s.2567-2574. ISSN 0035-8711 (2010: 4.900 - IF, Q1 - JCR Best Q, 3.180 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS ; WOS.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] SCHAEFER, B. E. Comprehensive photometric histories of all known galactic recurrent novae. In <i>Astrophysical Journal</i>, 2010, vol. 187, iss. 2, s.275-373. <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] ANZOLIN, G. - TAMBURINI, F. - DE MARTINO, D. - BIANCHINI, A. Wavelet and R/S analysis of the X-ray flickering of cataclysmic variables. In <i>Astronomy & Astrophysics</i>, 2010, vol. 519, iss. 7, s.Art. Nu. A69. <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] BASTIEN, F. A. - STASSUN, K. G. - WEINTRAUB, D. A. High-cadence time-series photometry of v1647 Orionis. In <i>Astronomical Journal</i>, 2011, vol. 142, iss. 4, s.Art. Nu. 141. <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] ZVERKO, J. Astrophysics with the 60-cm telescope. In <i>Contributions of the Astronomical Observatory Skalnaté Pleso</i>, 2014, vol. 43, iss. 3, s.256-265. <p>Ohlas: domáci</p> <ol style="list-style-type: none"> [1] Zamanov, Radoslav K. - Boeva, Svetlana - Latev, G. Y. - Stoyanov, Kiril A. - Tsvetkova, Svetla V. Difference between the optical flickering colours of cataclysmic variables and symbiotic recurrent novae. In <i>Astronomische Nachrichten</i>, 2015, 336, 2, pp. 189-195. ISSN 0004-6337., Registrované v: SCOPUS, WOS, CC <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] BRUCH, Albert. Time lags of the flickering in cataclysmic variables as a function of wavelength. In <i>ASTRONOMY & ASTROPHYSICS</i>, 2015, vol. 579, no., pp. ISSN 0004-6361., Registrované v: CC, SCOPUS, WOS <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] ZAMANOV, R. - Latev, G. - Boeva, S. - Sokoloski, J. L. - Stoyanov, K. - Bachev, R. - Spassov, B. - Nikolov, G. - Golev, V. - Ibryamov, S. Optical flickering of the recurrent nova RS Ophiuchi: amplitude-flux relation. In <i>MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY</i>, 2015, vol. 450, no. 4, pp. 3958-3965. ISSN 0035-8711., Registrované v: CC, SCOPUS, WOS <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] Munari, Ulisse - Dallaporta, Sergio - Cherini, Giulio. The 2015 super-active state of recurrent nova T CrB and the long term evolution after the 1946 outburst. In <i>New Astronomy</i>, 2016, 47, pp. 7-15. ISSN 1384-1076., Registrované v: CC, WOS, SCOPUS <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] IŁKIEWICZ, Krystian - MIKOLAJEWSKA, Joanna - STOYANOV, Kiril - MANOUSAKIS, Antonios - MISZALSKI, Brent. Active phases and flickering of a symbiotic recurrent nova T CrB. In <i>Monthly Notices of the Royal Astronomical Society</i>, 2016, 462, 3, pp. 2695-2705. ISSN 0035-8711., Registrované v: WOS, CC, SCOPUS <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] BONEVA, Daniela - KAYGORODOV, Pavel. Active states and structure transformations in accreting white dwarfs. In <i>BULGARIAN ASTRONOMICAL JOURNAL</i>, 2016, vol. 25, s. 26-36. ISSN 1313-2709., Registrované v: SCOPUS, WOS <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] ZAMANOV, R. K. - BOEVA, S. - STOYANOV, K. A. - LATEV, G. - SPASSOV, B. - KURTENKOV, A. - NIKOLOV, G. Flickering of the jet-ejecting symbiotic star MWC 560. In <i>ASTRONOMISCHE NACHRICHTEN</i>, 2020, vol. 341, no. 4, pp. 430-440. ISSN 0004-6337., Registrované v: WOS, CC, SCOPUS <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] BRUCH, Albert. Flickering around the outburst cycle in Kepler dwarf novae. In: <i>MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY</i>, 2022, vol. 509, no. 4, pp. 4669-4678. ISSN 0035-8711., Registrované v: WOS, CC <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] IŁKIEWICZ, Krystian - SCARINGI, Simone - LITTLEFIELD, Colin - MASON, Paul A. Locating the flickering source in polars. In: <i>MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY</i>, 2022, vol. 516, no. 4, pp. 5209-5215. ISSN 0035-8711., Registrované v: WOS, CC <p>Ohlas: zahraničný</p> |

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| V3_10 | <p>DOBROTKA, Andrej - MINESHIGE, S. - CASARES, J. A flickering study of nova-like systems KR Aur and UU Agr. In <i>Monthly Notices of the Royal Astronomical Society</i>. Vol. 420, Iss. 3 (2012), s.2467-2474. ISSN 0035-8711 (2012: 5.521 - IF, Q1 - JCR Best Q, 3.283 - SJR, Q1 - SJR Best Q). V databáze: WOS ; SCOPUS.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> 1. [1] HONEYCUTT, R. K. - KAFKA, S. - ROBERTSON, J. W. The long-term light curve of the cataclysmic variable V794 aquilae. In <i>Astronomical journal</i>, 2014, vol. 147, iss. 1, s.Art. No. 10., Registrované v: CC Ohlas: zahraničný 2. [1] HAN, Xianming L. - ZHANG, Li-Yun - SHI, Jian-Rong - PI, Ng-Feng - LU, Hong-Peng - ZHAO, Li-Bo - TERHEIDE, Rachel K. - JIANG, Lin-Yang. Cataclysmic variables based on the stellar spectral survey LAMOST DR3. In <i>RESEARCH IN ASTRONOMY AND ASTROPHYSICS</i>, 2018, vol. 18, no. 6, pp. ISSN 1674-4527., Registrované v: SCOPUS, CC, WOS Ohlas: zahraničný 3. [1] HOWELL, Steve B. - MASON, Elena. On the M-V-Inclination Relationship for Nova-like Variables. In <i>ASTRONOMICAL JOURNAL</i>, 2018, vol. 156, no. 5, pp. ISSN 0004-6256., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný 4. [1] BRUCH, Albert. A comparative study of the strength of flickering in cataclysmic variables. In <i>Monthly Notices of the Royal Astronomical Society</i>, 2021, 503, 1, pp. 953-971. ISSN 00358711., Registrované v: SCOPUS, WOS, CC Ohlas: zahraničný 5. [1] BALMAN, Solen - SCHLEGEL, Eric M. - GODON, Patrick. Characterizing the Advective Hot Flows of Nova-like Cataclysmic Variables in the X-Rays: The Case of BZ Cam and V592 Cas. In <i>ASTROPHYSICAL JOURNAL</i>, 2022, vol. 932, no. 1, pp. ISSN 0004-637X., Registrované v: WOS, CC Ohlas: zahraničný 6. [1] BRUCH, Albert. Flickering around the outburst cycle in Kepler dwarf novae. In: <i>MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY</i>, 2022, vol. 509, no. 4, pp. 4669-4678. ISSN 0035-8711., Registrované v: WOS, CC Ohlas: zahraničný |
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V3_14

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V3_17

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Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC
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V3_29

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Ohlas: zahraničný

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