

**Серия работ по астрофизике галактик, получившая премию РАН
имени И. С. Шкловского за 2023 год**

1. Moiseev A. V. A new catalogue of polar-ring galaxies selected from the Sloan Digital Sky Survey. / Moiseev A. V., Smirnova K. I., Smirnova A. A., Reshetnikov V. P. // *Monthly Notices of the Royal Astronomical Society*. – 2011. – V. 418. – Is. 1. – P. 244-257. – DOI: 10.1111/j.1365-2966.2011.19479.x
2. Sil'chenko O. Star formation in outer rings of S0 galaxies. V. UGC 4599: An S0 with gas probably accreted from a filament. / Sil'chenko O., Moiseev A., Oparin D., Beckman J. E., Font J. // *Astronomy and Astrophysics*. – 2023. – V. 669. – P. L10. – DOI: 10.1051/0004-6361/202245077
3. Zasov A. V. Arp 58 and Arp 68: two M 51-type systems. / Zasov A. V., Saburova A. S., Egorov O. V., Lander V. Y., Makarov D. I. // *Monthly Notices of the Royal Astronomical Society*. – 2022. – V. 516. – Is. 1. – P. 656-667. – DOI: 10.1093/mnras/stac2165
4. Sil'chenko O. K. The Gas Kinematics, Excitation, and Chemistry, in Connection with Star Formation, in Lenticular Galaxies. / Sil'chenko O. K., Moiseev A. V., Egorov O. V. // *The Astrophysical Journal Supplement Series*. – 2019. – V. 244. – Is. 1. – P. 6. – DOI: 10.3847/1538-4365/ab3415
5. Egorov O. V. Metallicity and ionization state of the gas in polar-ring galaxies. / Egorov O. V., Moiseev A. V. // *Monthly Notices of the Royal Astronomical Society*. – 2019. – V. 486. – Is. 3. – P. 4186-4197. – DOI: 10.1093/mnras/stz1112
6. Khoperskov S. A. To be or not to be oblate: the shape of the dark matter halo in polar ring galaxies. / Khoperskov S. A., Moiseev A. V., Khoperskov A. V., Saburova A. S. // *Monthly Notices of the Royal Astronomical Society*. – 2014. – V. 441. – Is. 3. – P. 2650-2662. – DOI: 10.1093/mnras/stu692
7. Sil'chenko O. K. Nature of Nuclear Rings in Unbarred Galaxies: NGC 7742 and NGC 7217. / Sil'chenko O. K., Moiseev A. V. // *The Astronomical Journal*. – 2006. – V. 131. – Is. 3. – P. 1336-1346. – DOI: 10.1086/499945
8. Sil'chenko O. K. Star Formation in the Elliptical (?) Galaxy NGC 5173. / Sil'chenko O. K., Proshina I. S., Moiseev A. V., Oparin D. V. // *Astrophysical Bulletin*. – 2022. – V. 77. – Is. 1. – P. 40-50. – DOI: 10.1134/S1990341322010102
9. Finkelman I. Hoag's Object: evidence for cold accretion on to an elliptical galaxy. / Finkelman I., Moiseev A., Brosch N., Katkov I. // *Monthly Notices of the Royal Astronomical Society*. – 2011. – V. 418. – Is. 3. – P. 1834-1849. – DOI: 10.1111/j.1365-2966.2011.19601.x

10. Zasov A. V. Tidal bridge and tidal dwarf candidates in the interacting system Arp194. / Zasov A. V., Saburova A. S., Egorov O. V., Afanasiev V. L. // Monthly Notices of the Royal Astronomical Society. – 2016. – V. 462. – Is. 4. – P. 3419-3429. – DOI: 10.1093/mnras/stw1905
11. Sil'chenko O. K. Inner Polar Rings in Regular Lenticular Galaxies. / Sil'chenko O. K., Afanasiev V. L. // The Astronomical Journal. – 2004. – V. 127. – Is. 5. – P. 2641-2658. – DOI: 10.1086/383547
12. Zasov A. V. NGC 90: a hidden jellyfish galaxy?. / Zasov A. V., Saburova A. S., Egorov O. V., Moiseev A. V. // Monthly Notices of the Royal Astronomical Society. – 2020. – V. 498. – Is. 1. – P. 101-109. – DOI: 10.1093/mnras/staa2283
13. Sil'chenko O. K. Kinematics and Origin of Gas in the Disk Galaxy NGC 2655. / Sil'chenko O. K., Moiseev A. V., Gusev A. S., Kozlova D. V. // Astrophysical Bulletin. – 2022. – V. 77. – Is. 4. – P. 397-406. – DOI: 10.1134/S1990341322040137
14. Zasov A. V. Young stellar clumps in the interacting system Arp 305. / Zasov A. V., Saburova A. S., Egorov O. V., Afanasiev V. L. // Monthly Notices of the Royal Astronomical Society. – 2018. – V. 477. – Is. 4. – P. 4908-4914. – DOI: 10.1093/mnras/sty1017
15. Moiseev A. V. Inner polar rings and disks: Observed properties. / Moiseev A. V. // Astrophysical Bulletin. – 2012. – V. 67. – Is. 2. – P. 147-159. – DOI: 10.1134/S1990341312020034
16. Sil'chenko O. Star formation in outer rings of S0 galaxies. III. UGC 5936: An S0 with currently accreted satellite matter. / Sil'chenko O., Moiseev A. // Astronomy and Astrophysics. – 2020. – V. 638. – P. L10. – DOI: 10.1051/0004-6361/202038158
17. Zasov A. V. Spectral observations of the systems with the disturbed spiral arms: Arp 42, Arp 82, and Arp 58. / Zasov A. V., Saburova A. S., Egorov O. V., Dodonov S. N. // Monthly Notices of the Royal Astronomical Society. – 2019. – V. 486. – Is. 2. – P. 2604-2617. – DOI: 10.1093/mnras/stz1025
18. Combes F. Molecular content of polar-ring galaxies. / Combes F., Moiseev A., Reshetnikov V. // Astronomy and Astrophysics. – 2013. – V. 554. – P. A11. – DOI: 10.1051/0004-6361/201321385
19. Zasov A. V. Interacting galaxy NGC4656 and its unusual dwarf companion. / Zasov A. V., Saburova A. S., Egorov O. V., Uklein R. I. // Monthly Notices of the Royal Astronomical Society. – 2017. – V. 469. – Is. 4. – P. 4370-4377. – DOI: 10.1093/mnras/stx1158
20. Proshina I. Star formation in outer rings of S0 galaxies. II. NGC 4513 - a multi-spin ringed S0 galaxy. / Proshina I., Sil'chenko O., Moiseev A. // Astronomy and Astrophysics. – 2020. – V. 634. – P. A102. – DOI: 10.1051/0004-6361/201936912

21. Zasov A. Outer regions of the merging system Arp 270. / Zasov A., Saburova A., Katkov I., Egorov O., Afanasiev V. // *Monthly Notices of the Royal Astronomical Society*. – 2015. – V. 449. – Is. 2. – P. 1605-1613. – DOI: 10.1093/mnras/stv454
22. Katkov I. Y. Stars and Ionized Gas in the S0 Galaxy NGC 7743: An Inclined Large-scale Gaseous Disk. / Katkov I. Y., Moiseev A. V., Sil'chenko O. K. // *The Astrophysical Journal*. – 2011. – V. 740. – Is. 2. – P. 83. – DOI: 10.1088/0004-637X/740/2/83
23. Sil'chenko O. K. Two More Disk Galaxies with Global Gas Counterrotation. / Sil'chenko O. K., Moiseev A. V., Afanasiev V. L. // *The Astrophysical Journal*. – 2009. – V. 694. – Is. 2. – P. 1550-1558. – DOI: 10.1088/0004-637X/694/2/1550
24. Zasov A. V. Early-type disk galaxies: Structure and kinematics. / Zasov A. V., Moiseev A. V., Khoperskov A. V., Sidorova E. A. // *Astronomy Reports*. – 2008. – V. 52. – Is. 2. – P. 79-93. – DOI: 10.1134/S1063772908020017
25. Moiseev A. V. Warped polar ring in the Arp 212 galaxy. / Moiseev A. V. // *Astrophysical Bulletin*. – 2008. – V. 63. – Is. 3. – P. 201-215. – DOI: 10.1134/S1990341308030012
26. Sil'chenko O. K. Lenticular Galaxies at the Outskirts of the Leo II Group: NGC 3599 and NGC 3626. / Sil'chenko O. K., Moiseev A. V., Shulga A. P. // *The Astronomical Journal*. – 2010. – V. 140. – Is. 5. – P. 1462-1474. – DOI: 10.1088/0004-6256/140/5/1462
27. Moiseev A. V. 3D spectroscopic study of galactic rings: Formation and kinematics. / Moiseev A. V., Bizyaev D. V. // *New Astronomy Reviews*. – 2009. – V. 53. – Is. 7-10. – P. 169-174. – DOI: 10.1016/j.newar.2009.09.004
28. Sil'chenko O. K. Extended Gaseous Disk in the S0 Galaxy NGC 4143. / Sil'chenko O. K., Moiseev A. V., Oparin D. V. // *Astronomy Letters*. – 2020. – V. 46. – Is. 5. – P. 289-297. – DOI: 10.1134/S1063773720050072
29. Sil'chenko O. K. Stellar Nuclei and Inner Polar Disks in Lenticular Galaxies. / Sil'chenko O. K. // *The Astronomical Journal*. – 2016. – V. 152. – Is. 3. – P. 73. – DOI: 10.3847/0004-6256/152/3/73
30. Saburova A. S. The study of two barred galaxies with curious kinematical features. / Saburova A. S., Katkov I. Y., Khoperskov S. A., Zasov A. V., Uklein R. I. // *Monthly Notices of the Royal Astronomical Society*. – 2017. – V. 470. – Is. 1. – P. 20-33. – DOI: 10.1093/mnras/stx1200
31. Zasov A. Sites of Star Formation in Tidal Structures. / Zasov A., Saburova A., Egorov O. // *Ground-Based Astronomy in Russia. 21st Century*. – 2020. – V.. – P. 64-72. – DOI: 10.26119/978-5-6045062-0-2_2020_64

32. Sil'chenko O. Hidden Imprints of Minor Merging in Early-Type Galaxies: Inner Polar Rings and Inclined Large-Scale Gaseous Disks In S0s. / Sil'chenko O. // *Galaxies*. – 2015. – V. 4. – Is. 1. – P. 1. – DOI: 10.3390/galaxies4010001
33. Saburova A. Long-slit spectral observations and stellar mass-to-light ratio of spiral galaxy UGC11919. / Saburova A., Zasov A., Uklein R., Katkov I. // *Monthly Notices of the Royal Astronomical Society*. – 2015. – V. 453. – Is. 2. – P. 1344-1354. – DOI: 10.1093/mnras/stv1667
34. Zasov A. V. Kinematics and stellar population of the lenticular galaxy NGC 4124. / Zasov A. V., Sil'chenko O. K., Katkov I. Y., Dodonov S. N. // *Astronomy Letters*. – 2013. – V. 39. – Is. 1. – P. 17-25. – DOI: 10.1134/S1063773713010040
35. Zasov A. V. CONFERENCES AND SYMPOSIA: Galactic disks and their evolution. / Zasov A. V., Sil'chenko O. K. // *Physics Uspekhi*. – 2010. – V. 53. – Is. 4. – P. 415-419. – DOI: 10.3367/UFNe.0180.201004i.0434
36. Zasov A. V. Static pressure of hot gas: Its effect on the gas disks of galaxies. / Zasov A. V., Khoperskov A. V. // *Astronomy Letters*. – 2008. – V. 34. – Is. 11. – P. 739-744. – DOI: 10.1134/S1063773708110029