

**Федеральный исследовательский центр Институт прикладной физики  
Российской академии наук**  
ведущая организация по диссертации Воробьева Э.И.

1. Zinchenko I., Liu S. -Y., Su Y. -N., Sobolev A.M. Detection of a new methanol maser line with ALMA. *Astronomy & Astrophysics*, Volume 606, id.L6, 4 pp. (2017)
2. Zemlyanukha P. M., Zinchenko I. I., Salii S. V., Ryabukhina O. L., Liu S. -Y. The Spatial-Kinematic Structure of the Region of Massive Star Formation S255N on Various Scales. *Astronomy Reports*, Volume 62, Issue 5, pp.326-345 (2018)
3. Zinchenko I., Liu S.-Y., Su Y.-N., Wang Y. Disks and outflows in the S255IR area of high mass star formation from ALMA observations. *Research in Astronomy and Astrophysics*, Volume 18, Issue 8, article id. 093 (2018)
4. Liu S.-Y., Su Y.-N., Zinchenko I., Wang K.-S., Wang Y. A Submillimeter Burst of S255IR SMA1: The Rise and Fall of Its Luminosity *The Astrophysical Journal Letters*, Volume 863, Issue 1, article id. L12, 6 pp. (2018)
5. Pirogov L. A search for evidence of small-scale inhomogeneities in dense cores from line profile analysis. *Research in Astronomy and Astrophysics* (2018)
6. Ryabukhina O. L., Zinchenko I. I., Samal M. R., Zemlyanukha P. M., Ladeyschikov D. A., Sobolev A. M., Henkel C., Ojha D. K. Study of the filamentary infrared dark cloud G192.76+00.10 in the S254–S258 OB complex. *Research in Astronomy and Astrophysics*, Volume 18, Issue 8, article id. 095 (2018)
7. Dewangan L.K., Pirogov L.E., Ryabukhina O.L., Ojha D.K., Zinchenko I.I. Observational Signatures of End-dominated Collapse in the S242 Filamentary Structure. *The Astrophysical Journal*, Volume 877, Issue 1, article id. 1, 15 pp. (2019)
8. Zinchenko I.I., Liu S. -Y., Su Y. -N., Wang K.-S., Wang Y. Dense Cores, Filaments and Outflows in the S255IR Region of High Mass Star Formation. *The Astrophysical Journal*, Volume 889, Issue 1, id.43, 15 pp. (2020)

9. Trofimova E.A., Zinchenko I.I., Zemlyanukha P.M., Thomasson M. A Survey of High Mass Star Forming Regions in the Lines of Deuterated Molecules. *Astronomy Reports*, Volume 64, Issue 3, p.244-258 (2020)

10. Liu Sheng-Yuan, Su Yu-Nung, Zinchenko Igor, Wang Kuo-Song, Meyer Dominique M. -A., Wang Yuan, Hsieh I. -Ta. ALMA View of the Infalling Envelope around a Massive Protostar in S255IR SMA1. *The Astrophysical Journal*, Volume 904, Issue 2, id.181, 17 pp. (2020)

11. Ryabukhina O. L., Zinchenko I. I. A multiline study of the filamentary infrared dark cloud G351.78-0.54. *Monthly Notices of the Royal Astronomical Society*, Volume 505, Issue 1, pp.726-737 (2021)

12. Zinchenko I. I., Dewangan L. K., Baug T., Ojha D. K., Bhadari N. K. ALMA discovery of a dual dense probably rotating outflow from a massive young stellar object G18.88MME. *Monthly Notices of the Royal Astronomical Society: Letters*, Volume 506, Issue 1, pp.L45-L49 (2021)

13. Bhadari N. K., Dewangan L. K., Zemlyanukha P. M., Ojha D. K., Zinchenko I. I., Sharma Saurabh. Probing Gas Kinematics and PDR Structure around O-type Stars in the Sh 2-305 H II Region. *The Astrophysical Journal*, Volume 922, Issue 2, id.207, 12 pp. (2021)

14. Pirogov L. E., Zemlyanukha P. M. Principal Component Analysis for Estimating Parameters of the L1287 Dense Core by Fitting Model Spectral Maps into Observed Ones. *Astronomy Reports*, Volume 65, Issue 2, p.82-94 (2021)

15. Dewangan L. K., Zinchenko I. I., Zemlyanukha P. M., Liu S. -Y., Su Y. -N., Kurtz S. E., Ojha D. K., Pazukhin A. G., Mayya Y. D. The Disk-Outflow System around the Rare Young O-type Protostar W42-MME. *The Astrophysical Journal*, Volume 925, Issue 1, id.41, 25 pp. (2022)