

, 15, 49005, ; e-mail: lazuch.dn@gmail.com

1. *Chung P. M., Talbot L., Touryan K. J.* Electric Probes in Stationary and Flowing Plasmas. Springer-Verlag, 1975. 150 p. <https://doi.org/10.1007/978-3-642-65886-0>
2. *Shuvalov V. A., Lazuchenkov D. N., Gorev N. B., Kochubei G. S.* Identification of seismic activity sources on the subsatellite track by ionospheric plasma disturbances detected with the Sich-2 onboard probes. *Advances in Space Research*. 2018. V. 61, No. 1. P. 355–366. <https://doi.org/10.1016/j.asr.2017.08.001>
3. *Akhoondzadeh, M., Parrot, M., and Saradjian, M. R.* Electron and ion density variations before strong earthquakes ( $M > 6.0$ ) using DEMETER and GPS data, *Nat. Hazards Earth Syst. Sci.* 2010. V. 10. P. 7–18. <https://doi.org/10.5194/nhess-10-7-2010>
4. *Jiang, S-B., Yeh, T-L., Liu, J-Y., Chao, C-K., Chang, L.C., Chen, L-W., Chou, C-J., Chi, Y-J., Chen, Y-L., Chiang, C-K.* New algorithms to estimate electron temperature and electron density with contaminated DC Langmuir probe onboard CubeSat. *Advances in Space Research*. 2020. V. 66, No. 1. P. 148–161. <https://doi.org/10.1016/j.asr.2019.11.025>
5. *Ranvier S., Lebreton J.-P.* Laboratory measurements of the performances of the Sweeping Langmuir Probe instrument aboard the PICASSO CubeSat. *Geosci. Instrum. Method. Data Syst.* 2023. V. 12, No. 1. P. 1–13. <https://doi.org/10.5194/gi-12-1-2023>
6. *Boyd R.* Langmuir Probes on Spacecraft. In: *Plasma Diagnostics*. W. Lochte-Holtgreven (Ed.). New York : AIP Press, 1995. P. 732–776.
7. IRI. Version: 2020. URL: <https://ccmc.gsfc.nasa.gov/models/IRI-2020/>
8. *Lazuchenkov D. N., Lazuchenkov N. M.* Mathematical modeling of probe measurements in a supersonic flow of a four-component collisionless plasma. *Teh. Meh.* 2020. No. 4. P. 97–108. <https://doi.org/10.15407/itm2020.04.097>
9. *Lazuchenkov D. N., Lazuchenkov N. M.* Mathematical modeling of determination the ionospheric plasma charged particles density by the electric current measurements using an insulated probe system. *Teh. Meh.* 2024. No. 2. P. 112–123. <https://doi.org/10.15407/itm2024.02.112>

10. *Lazuchenkov D. N., Lazuchenkov N. M.* Calculation of the ion current to a conducting cylinder in a supersonic flow of a collisionless plasma. *Teh. Meh.* 2022. No. 3. P. 91–98. <https://doi.org/10.15407/itm2022.03.091>
11. *Lazuchenkov D. N., Lazuchenkov N. M.* Determination of kinetic parameters of supersonic plasma flow of a gas-discharge source from current measurement by an insulated probe system. *Teh. Meh.* 2023. No. 4. P. 40–49. <https://doi.org/10.15407/itm2023.04.040>
12. *Plasma Diagnostics.* W. Lochte-Holtgreven (Ed.). New York : AIP Press, 1995. 945 p.

25.10.2024,

10.12.2024