

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

1. , 1972. 304 c.
2. *Shuvalov V. A., Pis'mennyi N. I., Lazuchenkov D. N., Kochubey G. S.* Probe diagnostics of laboratory and ionospheric rarefied plasma flows. *Instruments and Experimental Techniques*. 2013. V. 56. No. 4. . 459–467. <https://doi.org/10.1134/S002044121304009X>
3. *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>
4. *Lazuchenkov D. N., Lazuchenkov N. M.* Determination of the parameters of a supersonic dissociated rarefied plasma flow by current-voltage characteristics of insulated system of cylindrical probes. *Tech. Mech.* 2020. No. 2. P. 80–88. <https://doi.org/10.15407/itm2020.02.080>
5. *Lazuchenkov D. N.* Determination of plasma parameters in a jet of a gas-discharge source using an insulated probe system with cylindrical electrodes. *Tech. Mech.* 2022. No. 4. P. 121–130. <https://doi.org/10.15407/itm2022.04.121>
6. *Lazuchenkov D. N.* Determination of the electron temperature in a supersonic jet of a gas-discharge source from current measurements by an insulated probe system. *Tech. Mech.* 2023. No. 2. P. 74–83. <https://doi.org/10.15407/itm2023.02.074>
7. *Lazuchenkov D. N., Lazuchenkov N. M.* Calculation of the ion current to a conducting cylinder in a supersonic flow of a collisionless plasma. *Tech. Mech.* 2022. No. 3. P. 91–98. <https://doi.org/10.15407/itm2022.03.091>
8. *Plasma Diagnostics*. W. Lochte-Holtgreven (Ed.). New York: AIP Press, 1995. 945 p.
9. *Shuvalov V. A., Gubin V. V.* Determination of the degree of nonisothermality of rarefied plasma flows by probe methods. *High Temperature Science*. 1979. V. 16, No. 4, P. 593–596.

27.10.2023,
29.11. 2023