

## List of publications of Yuri Trakhinin

- [1] Secchi P., Trakhinin Y., Wang T. On vacuum free boundary problems in ideal compressible magnetohydrodynamics. *Bull. London Math. Soc.* **55** (2023), 2087–2112.
- [2] Trakhinin Y. Well-posedness for moving interfaces in anisotropic plasmas. *Z. Angew. Math. Phys.* **74** (2023), 142 (12 pp.).
- [3] Trakhinin Y., Wang T. Well-posedness for moving interfaces with surface tension in ideal compressible MHD. *SIAM J. Math. Anal.* **54** (2022), 5888–5921.
- [4] Trakhinin Y. On weak stability of shock waves in 2D compressible elastodynamics. *J. Hyperbolic Differ. Equ.* **19** (2022), 157–173.
- [5] Trakhinin Y., Wang T. Nonlinear stability of MHD contact discontinuities with surface tension. *Arch. Ration. Mech. Anal.* **243** (2022), 1091–1149.
- [6] Trakhinin Y., Wang T. Well-posedness for the free-boundary ideal compressible magnetohydrodynamic equations with surface tension. *Math. Ann.* **383** (2022), 761–808.
- [7] Trakhinin Y., Wang T. Well-posedness of free boundary problem in non-relativistic and relativistic ideal compressible magnetohydrodynamics. *Arch. Ration. Mech. Anal.* **239** (2021), 1131–1176.
- [8] Trakhinin Y. Local solvability of free boundary problems in ideal compressible magnetohydrodynamics with and without surface tension. *J. Appl. Mech. Tech. Phys.* **62** (2021), 684–691.
- [9] Morando A., Secchi P., Trakhinin Y., Trebeschi P. Stability of an incompressible plasma-vacuum interface with displacement current in vacuum. *Math. Methods Appl. Sci.* **43** (2020), 7465–7483.
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