研究業績リスト

査読付き論文

1-1. Yoshiyuki Kagei and Kazuyuki Tsuda, "Existence and stability of time periodic solution to the compressible Navier-Stokes equation for time periodic external force with symmetry", J. Differential Equations, **258** (2015), pp. 399–444.

1-2. Kazuyuki Tsuda, "On the existence and stability of time periodic solution to the compressible Navier-Stokes equation on the whole space", Arch. Rational Mech. Anal., **216**, (2016), pp. 637–678.

1-3. Kazuyuki Tsuda, "Existence and stability of time periodic solution to the compressible Navier-Stokes-Korteweg system on $\mathbb{R}^3$", J. Mathematical Fluid Mechanics, **18**, (2016), pp. 157–185.

1-4. Kazuyuki Tsuda, "Time periodic problem for the compressible Navier-Stokes equation on $\mathbb{R}^2$ with antisymmetry", J. Math. Soc. Japan., **70** (2018), pp. 243–281.

1-5. Hitoshi Kino, Nattawut Samrejfuangfoo, Kazuyuki Tsuda, Tomonori Kato, Hiroyuki Fujioka and Nobuyoshi Miyamoto, "Basic study of soft actuator using anisotropic gel hybridized with nanosheet liquid crystal: Analysis of heat characteristics and length control", Procedia Computer Science **105** (2017), pp. 62–67, corresponding author.

1-6. Hitoshi Kino, Tsubasa Yoshitake, Hiroaki Ochi, Ryuji Wada, Kenji Tahara and Kazuyuki Tsuda, "Model-based Adaptive Control for 3-DOF Planar Parallel-Wire Driven Robot with an Active Balancer", Advanced Robotics, **32** (2018), pp. 767–777.

1-7. Hitoshi Kino, Naohumi Mori, Shota Moribe, Kazuyuki Tsuda and Kenji Tahara, "Experiment verification and stability analysis of iterative learning control for sharp memory alloy wire", Journal of Robotics and mechatronics, **31** (2019) pp. 583–593.

1-8. Kobayashi Takayuki and Kazuyuki Tsuda, "Time decay estimate with diffusive property and smoothing effect for solution to the compressible Navier-Stokes-Korteweg system", To appear in The Funkcialaj Ekvacioj, 2020, arXiv:1905.13698, corresponding author.

1-9. Kobayashi Takayuki and Kazuyuki Tsuda, "Global existence and time decay estimate of solutions to the compressible Navier-Stokes-Korteweg system under critical condition", To appear in Asymptotic Analysis, 2020, arXiv:1905.03542, corresponding author.

プレプリント，報告集等

2-1. Reinhard Farwig, Hideo Kozono, Kazuyuki Tsuda and David Wegmann, "The Time Periodic Problem of the Navier-Stokes Equations in a Bounded Domain with Moving Boundary", submitted.

2-2. Takayuki Kobayashi, Masashi Misawa and Kazuyuki Tsuda, "Asymptotic profile for diffusion wave terms of the compressible Navier-Stokes-Korteweg system", Preprint, arXiv:1907.04682, corresponding author.

2-3. Kazuyuki Tsuda, "Time-periodic problem for the compressible Navier-Stokes equation on the whole space", RIMS kôkyûroku, Kyoto Univ., **1947** (2015), pp. 183–204.

2-4. Kazuyuki Tsuda, "Time-periodic problem for the compressible Navier-Stokes-Korteweg system on $\mathbb{R}^3$", RIMS kôkyûroku, Kyoto Univ., **1985** (2016), pp. 60–80.