A Complete Bibliography of Publications in *SIAM Journal on Mathematical Analysis* for 2020–2029

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: `beebe@math.utah.edu`, `beebe@acm.org`, `beebe@computer.org` (Internet)
WWW URL: `https://www.math.utah.edu/~beebe/`

26 August 2024
Version 1.11

Title word cross-reference

References

Abels:2020:BCC

[AB20] Helmut Abels and Julia Butz. A blow-up criterion for the curve diffusion flow with a contact angle. *SIAM Journal on Mathematical Analysis*, 52(3): 2592–2623, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Amrouche:2021:VPM

[AB21] Chérif Amrouche and Imane Boussetouan. Vector potentials with mixed boundary conditions. application to the Stokes problem with pressure and Navier-type boundary conditions. *SIAM Journal on Mathematical Analysis*, 53(2):1745–1784, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Anoop:2022:SWT

[ABD22] T. V. Anoop, Vladimir Bobkov, and Pavel Drábek. Szegő–Weinberger type inequalities for symmetric domains with holes. *SIAM Journal on Mathematical Analysis*, 54 (1):389–422, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1407227`.

Aspri:2022:LSD

[ABFV22] Andrea Aspri, Elena Beretta, Elisa Francini, and Sergio Vessella. Lipschitz stable determination of polyhedral conductivity inclusions from local boundary measurements. *SIAM Journal on Mathematical Analysis*, 54(5):5182–5222, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1480550`.

AlSayed:2021:MSE

[ABHN21] Abdelkader Al Sayed, Beniamin Bogosel, Antoine Henrot, and Florent Nacry. Maximization of the Steklov eigenvalues with a diameter constraint. *SIAM Journal on Mathematical Analysis*, 53(1):710–729, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alama:2024:CSD

[ABLW24] Stanley Alama, Lia Bronsard, Xinyang Lu, and Chong Wang. Core shells and double bubbles in a weighted nonlocal isoperimetric problem. *SIAM Journal on Mathematical Analysis*, 56(2):2357–2394, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Acosta:2022:LNE

[ABR22] Gabriel Acosta, Francisco Bersetche, and Julio D. Rossi. Local and nonlocal energy-based coupling models. *SIAM Journal on Mathematical Analysis*, 54(6):6288–6322, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1431977`.

Abatangelo:2021:EBV

[AC21] Nicola Abatangelo and Matteo Cozzi. An elliptic boundary value problem with fractional nonlinearity. *SIAM Journal on Mathematical Analysis*, 53(3):3577–3601, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alonso:2024:IPB

[AČ24] Ricardo Alonso and Milana Čolić. Integrability propagation for a Boltzmann system describing polyatomic gas mixtures. *SIAM Journal on Mathematical Analysis*, 56(1):1459–1494, February 2024. CODEN SJMAAH. ISSN 1095-7154.

Arratia:2021:LSB

[ACC+21] Pablo Arratia, Matías Courdurier, Evelyn Cueva, Axel Osses, and Benjamín Palacios. Lipschitz stability for backward heat equation with application to fluorescence microscopy. *SIAM Journal on Mathematical Analysis*, 53(5):5948–5978, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Acerbi:2022:SLC

[ACC22] Emilio Acerbi, Chao-Nien Chen, and Yung-Sze Choi. Stability of lamellar configurations in a nonlocal sharp interface model. *SIAM Journal on Mathematical Analysis*, 54(1):558–594, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1394321`.

Arratia:2023:ELS

[ACC+23] Pablo Arratia, Matías Courdurier, Evelyn Cueva, Axel Osses, and Benjamín Palacios. Erratum: Lipschitz stability for backward heat equation with application to fluorescence microscopy. *SIAM Journal on Mathematical Analysis*, 55(3):2467–2473, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1534882`.

Ammari:2022:LSA

[ACL22] Habib Ammari, Yat Tin Chow, and Hongyu Liu. Localized sensitivity analysis at high-curvature boundary points of reconstructing inclusions in transmission problems. *SIAM Journal on Mathematical Analysis*, 54(2):1543–1592, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1323576`.

Acampora:2024:OST

[ACNT24] P. Acampora, E. Cristoforoni, C. Nitsch, and C. Trombetti. On the optimal shape of a thin insulating layer. *SIAM Journal on Mathematical Analysis*, 56 (3):3509–3536, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Ascione:2023:MFS

[ACS23] Giacomo Ascione, Daniele Castorina, and Francesco Solombrino. Mean-field sparse optimal control of systems with additive white noise. *SIAM Journal on Mathematical Analysis*, 55(6):6965–6990, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Aregba-Driollet:2021:GES

[ADBP21] Denise Aregba-Driollet, Stéphane Brull, and Yue-Jun Peng. Global existence of smooth solutions for a nonconservative bitemperature Euler model. *SIAM Journal on Mathematical Analysis*, 53(2):1886–1907, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Adams:2022:ERN

[ADdR22] Daniel Adams, Manh Hong Duong, and Gonçalo dos Reis. Entropic regularization of Non-Gradient systems. *SIAM Journal on Mathematical Analysis*, 54(4):4495–4535, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1414668`.

Ammari:2022:EPP

[ADH+22] Habib Ammari, Bryn Davies, Erik Orvehed Hiltunen, Hyundae Lee, and Sanghyeon Yu. Exceptional points in parity–time-symmetric subwavelength metamaterials. *SIAM Journal on Mathematical Analysis*, 54(6):6223–6253, ???? 2022. CODEN SJMAAH. ISSN

0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1469821.

Ammari:2023:CRD

[ADH23] Habib Ammari, Bryn Davies, and Erik Orvehed Hiltunen. Convergence rates for defect modes in large finite resonator arrays. *SIAM Journal on Mathematical Analysis*, 55(6):7616–7634, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Antil:2024:NBV

[ADJS24] Harbir Antil, Hugo Díaz, Tian Jing, and Armin Schikorra. Nonlocal bounded variations with applications. *SIAM Journal on Mathematical Analysis*, 56(2):1903–1935, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Alfaro:2023:QTP

[ADK23] Matthieu Alfaro, Arnaud Ducrot, and Hao Kang. Quantifying the threshold phenomenon for propagation in nonlocal diffusion equations. *SIAM Journal on Mathematical Analysis*, 55(3):1596–1630, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1479099.

Arsenio:2020:VMT

[ADL20] Diogo Arsénio, Emmanuel Dormy, and Christophe Lacave. The vortex method for two-dimensional ideal flows in exterior domains. *SIAM Journal on Mathematical Analysis*, 52(4):3881–3961, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Avitabile:2020:LTS

[ADVW20] Daniele Avitabile, Mathieu Desroches, Romain Veltz, and Martin Wechselberger. Local theory for spatio-temporal canards and delayed bifurcations. *SIAM Journal on Mathematical Analysis*, 52(6):5703–5747, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Abels:2023:SIL

[AF23] Helmut Abels and Mingwen Fei. Sharp interface limit for a Navier–Stokes/Allen–Cahn system with different viscosities. *SIAM Journal on Mathematical Analysis*, 55 (4):4039–4088, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1523698.

Ammari:2020:HLM

[AFH+20] Habib Ammari, Brian Fitzpatrick, Erik Orvehed Hiltunen, Hyundae Lee, and Sanghyeon Yu. Honeycomb-lattice Minnaert bubbles. *SIAM Journal on Mathematical Analysis*, 52 (6):5441–5466, ???? 2020. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Adams:2023:LRL

[AG23] Joseph Adams and Axel Grünrock. Low regularity local well-posedness for the zero energy Novikov–Veselov equation. *SIAM Journal on Mathematical Analysis*, 55(1):19–35, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1458065`.

Andreianov:2024:ESC

[AG24] Boris Andreianov and Theo Girard. Existence of solutions for a class of one-dimensional models of pedestrian evacuations. *SIAM Journal on Mathematical Analysis*, 56(3):3386–3411, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Ali:2024:DCI

[AGL24] Mashkoor Ali, Ankik Kumar Giri, and Philippe Laurençot. The discrete collision-induced breakage equation with mass transfer: Well-posedness and stationary solutions. *SIAM Journal on Mathematical Analysis*, 56(3):2915–2937, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Ambrose:2024:CDG

[AHK24] David M. Ambrose, Fazel Hadadifard, and James P. Kelliher. Contour dynamics and global regularity for periodic vortex patches and layers. *SIAM Journal on Mathematical Analysis*, 56(2):2286–2311, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Ao:2021:GAM

[AHLW21] Weiwei Ao, Yehui Huang, Yong Liu, and Juncheng Wei. Generalized Adler–Moser polynomials and multiple vortex rings for the Gross–Pitaevskii equation. *SIAM Journal on Mathematical Analysis*, 53(6):6959–6992, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Antonelli:2020:LMN

[AHM20] Paolo Antonelli, Lars Eric Hientzsch, and Pierangelo Marcati. On the low Mach number limit for quantum Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 52(6):6105–6139, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Aiki:2023:HTF

[Aik23] Masashi Aiki. The Hasimoto transformation for a finite length vortex filament and its application. *SIAM Journal on Mathematical Analysis*, 55(6):7273–7295, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Abedin:2023:PAP

[AK23a] Farhan Abedin and Jun Kitagawa. A perturbative approach to the parabolic optimal transport problem. *SIAM Journal on Mathematical Analysis*, 55(6):6740–6763, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Andreasson:2023:SSS

[AK23b] Håkan Andreasson and Markus Kunze. Static solutions to the spherically symmetric Einstein–Vlasov system: a particle number–Casimir approach. *SIAM Journal on Mathematical Analysis*, 55 (5):4843–4879, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1522887`.

AlBaba:2020:NAW

[AKK+20] Hind Al Baba, Christian Klingenberg, Ondrej Kreml, Václav Mácha, and Simon Markfelder. Nonuniqueness of admissible weak solution to the Riemann problem for the full Euler system in two dimensions. *SIAM Journal on Mathematical Analysis*, 52(2):1729–1760, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Atar:2023:LTL

[AKKR23] Rami Atar, Weining Kang, Haya Kaspi, and Kavita Ramanan. Long-time limit of nonlinearly coupled measure-valued equations that model many-server queues with reneging. *SIAM Journal on Mathematical Analysis*, 55(6):7189–7239, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Ammari:2023:QES

[AKKY23] Habib Ammari, Hyeonbae Kang, Do Wan Kim, and Sanghyeon Yu. Quantitative estimates for stress concentration of the Stokes flow between adjacent circular cylinders. *SIAM Journal on Mathematical Analysis*, 55(4):3755–3806, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1523972`.

Ando:2022:SSN

[AKLM22] Kazunori Ando, Hyeonbae Kang, Sanghyuk Lee, and Yoshihisa Miyanishi. Spectral structure of the Neumann–Poincaré operator on thin ellipsoids and flat domains. *SIAM Journal on Mathematical Analysis*, 54(6):6164–6185, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1452275`.

Angelopoulos:2020:IMI

[AKV20] Yannis Angelopoulos, Rowan Killip, and Monica Visan. Invariant measures for integrable spin chains and an integrable discrete nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 52(1): 135–163, ???? 2020. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

An:2023:HVT

[AL23] Gayoung An and Donghyun Lee. High-velocity tails of the inelastic and the multispecies mixture Boltzmann equations. *SIAM Journal on Mathematical Analysis*, 55(5):4297–4336, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1529749`.

Ablowitz:2023:TWI

[ALM23] Mark J. Ablowitz, Xu-Dan Luo, and Ziad H. Musslimani. Three-wave interaction equations: Classical and nonlocal. *SIAM Journal on Mathematical Analysis*, 55(4):4089–4139, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1488880`.

Alicandro:2021:DLE

[ALP21a] Roberto Alicandro, Giuliano Lazzaroni, and Mariapia Palombaro. Derivation of linear elasticity for a general class of atomistic energies. *SIAM Journal on Mathematical Analysis*, 53(5):5060–5093, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Attouchi:2021:GLE

[ALP21b] Amal Attouchi, Hannes Luiro, and Mikko Parviainen. Gradient and Lipschitz estimates for tug-of-war type games. *SIAM Journal on Mathematical Analysis*, 53(2):1295–1319, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Almeida:2023:ARC

[ALV23] Luis Almeida, Alexis Léculier, and Nicolas Vauchelet. Analysis of the rolling carpet strategy to eradicate an invasive species. *SIAM Journal on Mathematical Analysis*, 55(1):275–309, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1427243`.

Abdo:2023:GWP

[ALW23] Elie Abdo, Fizay-Noah Lee, and Weinan Wang. On the global well-posedness and analyticity of some electrodiffusion models in ideal fluids and porous media. *SIAM Journal on Mathematical Analysis*, 55(6):6838–6866, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Abels:2022:CAC

[AM22] Helmut Abels and Maximilian Moser. Convergence of the Allen–Cahn equation with a nonlinear Robin boundary condition to mean curvature flow with contact angle close to 90°. *SIAM Journal on Mathematical Analysis*, 54(1):114–172, ???? 2022. CODEN SJMAAH.

ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1424925.

Achdou:2022:DMF

[AMMT22] Yves Achdou, Paola Mannucci, Claudio Marchi, and Nicoletta Tchou. Deterministic mean field games with control on the acceleration and state constraints. *SIAM Journal on Mathematical Analysis*, 54(3):3757–3788, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1415492.

Ampatzoglou:2022:RDB

[AMP22] Ioakeim Ampatzoglou, Joseph K. Miller, and Natasa Pavlović. A rigorous derivation of a Boltzmann system for a mixture of hard-sphere gases. *SIAM Journal on Mathematical Analysis*, 54(2):2320–2372, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1424779.

Apushkinskaya:2021:VBV

[ANPS21] Darya E. Apushkinskaya, Alexander I. Nazarov, Dian K. Palagachev, and Lubomira G. Softova. Venttsel boundary value problems with discontinuous data. *SIAM Journal on Mathematical Analysis*, 53(1):221–252, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Altschuler:2022:ASE

[ANWS22] Jason M. Altschuler, Jonathan Niles-Weed, and Austin J. Stromme. Asymptotics for semidiscrete entropic optimal transport. *SIAM Journal on Mathematical Analysis*, 54(2):1718–1741, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1440165.

Albritton:2023:SES

[AO23] Dallas Albritton and Laurel Ohm. On the stabilizing effect of swimming in an active suspension. *SIAM Journal on Mathematical Analysis*, 55(6):6093–6132, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Abatangelo:2024:SBD

[AO24] Laura Abatangelo and Roberto Ognibene. Sharp behavior of Dirichlet–Laplacian eigenvalues for a class of singularly perturbed problems. *SIAM Journal on Mathematical Analysis*, 56(1):474–500, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Alvarez-Perez:2024:EHE

[AP24] Jose Luis Alvarez-Perez. Extended Hadamard expansions for the Airy functions. *SIAM Journal on Mathematical Analysis*, 56(3):3537–3558, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Arroyo-Rabasa:2020:GMY

[ARD20] Adolfo Arroyo-Rabasa and Johannes Diermeier. Generalized multiscale Young measures. *SIAM Journal on Mathematical Analysis*, 52(4):3252–3300, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Antil:2021:FVM

[ARS21] Harbir Antil, Carlos N. Rautenberg, and Armin Schikorra. On a fractional version of a murat compactness result and applications. *SIAM Journal on Mathematical Analysis*, 53(3): 3158–3187, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Arifoski:2020:PDW

[AS20] Ahmet Arifoski and Petr Siegl. Pseudospectra of the damped wave equation with unbounded damping. *SIAM Journal on Mathematical Analysis*, 52(2): 1343–1362, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Avery:2021:ASC

[AS21] Montie Avery and Arnd Scheel. Asymptotic stability of critical pulled fronts via resolvent expansions near the essential spectrum. *SIAM Journal on Mathematical Analysis*, 53(2): 2206–2242, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ammari:2020:WOE

[AT20] Kaïs Ammari and Faouzi Triki. On weak observability for evolution systems with skew-adjoint generators. *SIAM Journal on Mathematical Analysis*, 52(2):1884–1902, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Akagi:2024:SSJ

[ATZ24] Goro Akagi, Izumi Takagi, and Conghui Zhang. Steady states with jump discontinuity in a receptor-based model with hysteresis in higher-dimensional domains. *SIAM Journal on Mathematical Analysis*, 56(2): 1996–2033, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Agresti:2024:RDE

[AV24a] Antonio Agresti and Mark Veraar. Reaction–diffusion equations with transport noise and critical superlinear diffusion: Global well-posedness of weakly dissipative systems. *SIAM Journal on Mathematical Analysis*, 56(4):4870–4927, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1562482`.

Armstrong:2024:AES

[AV24b] Scott Armstrong and Raghavendra Venkatraman. Asymptotic expansion of the spectrum for periodic Schrödinger operators. *SIAM Journal on Mathematical Analysis*, 56(2): 1770–1808, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Akramov:2021:NAW

[AW21] Ibrokhimbek Akramov and Emil Wiedemann. NonUnique admissible weak solutions of the compressible Euler equations with compact support in space. *SIAM Journal on Mathematical Analysis*, 53(1): 795–812, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Alazard:2024:VTE

[AZ24] Thomas Alazard and Claude Zuily. Virial theorems and equipartition of energy for water waves. *SIAM Journal on Mathematical Analysis*, 56 (4):5285–5329, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1574312`.

Baradat:2020:ESP

[Bar20] Aymeric Baradat. On the existence of a scalar pressure field in the Brödinger problem. *SIAM Journal on Mathematical Analysis*, 52(1):370–401, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barker:2023:LQE

[Bar23] Tobias Barker. Localized quantitative estimates and potential blow-up rates for the Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 55(5):5221–5259, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1527179`.

Babadjian:2023:DAG

[BB23] Jean-Francois Babadjian and Elise Bonhomme. Discrete approximation of the Griffith functional by adaptive finite elements. *SIAM Journal on Mathematical Analysis*, 55(6):6778–6837, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Bach:2020:DCL

[BBC20] Annika Bach, Andrea Braides, and Marco Cicalese. Discrete-to-continuum limits of multibody systems with bulk and surface long-range interactions. *SIAM Journal on Mathematical Analysis*, 52(4):3600–3665, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bal:2023:ESD

[BBD+23] Guillaume Bal, Simon Becker, Alexis Drouot, Clotilde Fermanian Kammerer, Jianfeng

Lu, and Alexander B. Watson. Edge state dynamics along curved interfaces. *SIAM Journal on Mathematical Analysis*, 55(5):4219–4254, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1489708.

Bruna:2022:WPI

[BBES22] Maria Bruna, Martin Burger, Antonio Esposito, and Simon Schulz. Well-posedness of an integro-differential model for active Brownian particles. *SIAM Journal on Mathematical Analysis*, 54(5):5662–5697, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1462039.

Berchio:2024:ECS

[BBG+24] Elvise Berchio, Denis Bonheure, Giovanni P. Galdi, Filippo Gazzola, and Simona Perotto. Equilibrium configurations of a symmetric body immersed in a stationary Navier–Stokes flow in a planar channel. *SIAM Journal on Mathematical Analysis*, 56(3):3759–3801, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M1568752.

Bertucci:2024:MFG

[BC24a] Charles Bertucci and Alekos Cecchin. Mean field games master equations: From discrete to continuous state space. *SIAM Journal on Mathematical Analysis*, 56(2):2569–2610, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Bourgeois:2024:GIB

[BC24b] Laurent Bourgeois and Lucas Chesnel. Generalized impedance boundary conditions with vanishing or sign-changing impedance. *SIAM Journal on Mathematical Analysis*, 56(3):4223–4251, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M1604217.

Baird:2022:GMI

[BCC+22] Thomas J. Baird, Paul Cornwell, Graham Cox, Christopher Jones, and Robert Marangell. Generalized Maslov indices for non-Hamiltonian systems. *SIAM Journal on Mathematical Analysis*, 54(2):1623–1668, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1381319.

Buttazzo:2021:EOP

[BCDM21] Giuseppe Buttazzo, Juan Casado-Díaz, and Faustino Maestre. On the existence of optimal potentials on unbounded domains. *SIAM Journal on Mathematical Analysis*, 53(1):1088–1121, ???? 2021.

CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Battaglia:2023:NNL

[BCFP23] Luca Battaglia, Matteo Cozzi, Antonio J. Fernández, and Angela Pistoia. Nonuniqueness for the nonlocal Liouville equation in **R** and applications. *SIAM Journal on Mathematical Analysis*, 55(5):4816–4842, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1538004.

Bourdarias:2022:ESC

[BCGJ22] Christian Bourdarias, Anupam Pal Choudhury, Billel Guelmame, and Stéphane Junca. Entropy solutions in BV^s for a class of triangular systems involving a transport equation. *SIAM Journal on Mathematical Analysis*, 54(1):791–817, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1351783.

Braukhoff:2020:CCD

[BCJ20] Marcel Braukhoff, Xiuqing Chen, and Ansgar Jüngel. Corrigendum: Cross Diffusion Preventing Blow-Up in the Two-Dimensional Keller–Segel Model. *SIAM Journal on Mathematical Analysis*, 52 (2):2198–2200, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bociu:2021:MPI

[BCMW21] Lorena Bociu, Suncica Canic, Boris Muha, and Justin T. Webster. Multilayered poroelasticity interacting with Stokes flow. *SIAM Journal on Mathematical Analysis*, 53(6):6243–6279, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bach:2021:RFD

[BCR21] Annika Bach, Marco Cicalese, and Matthias Ruf. Random finite-difference discretizations of the Ambrosio–Tortorelli functional with optimal meshsize. *SIAM Journal on Mathematical Analysis*, 53(2):2275–2318, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonacini:2024:SBA

[BCT24] Marco Bonacini, Riccardo Cristoferi, and Ihsan Topaloglu. Stability of the ball for attractive-repulsive energies. *SIAM Journal on Mathematical Analysis*, 56(1):588–615, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Beyn:2022:STO

[BD22] Wolf-Jürgen Beyn and Christian Döding. Stability of traveling oscillating fronts in complex Ginzburg Landau equations. *SIAM Journal* *on Mathematical Analysis*, 54 (5):5447–5488, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1455760`.

Bogelein:2020:ICP

[BDD+20] Verena Bögelein, Bernard Dacorogna, Frank Duzaar, Paolo Marcellini, and Christoph Scheven. Integral convexity and parabolic systems. *SIAM Journal on Mathematical Analysis*, 52(2):1489–1525, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Boscaggin:2021:PSP

[BDF21] Alberto Boscaggin, Walter Dambrosio, and Guglielmo Feltrin. Periodic solutions to a perturbed relativistic Kepler problem. *SIAM Journal on Mathematical Analysis*, 53(5): 5813–5834, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellazzini:2024:SNN

[BDF24] Jacopo Bellazzini, Van Duong Dinh, and Luigi Forcella. Scattering for nonradial 3D NLS with combined nonlinearities: The interaction morawetz approach. *SIAM Journal on Mathematical Analysis*, 56(3): 3110–3143, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Balci:2022:EED

[BDGdN22] Anna Kh. Balci, Lars Diening, Raffaella Giova, and Antonia Passarelli di Napoli. Elliptic equations with degenerate weights. *SIAM Journal on Mathematical Analysis*, 54(2):2373–2412, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1412529`.

Bogelein:2024:GRC

[BDGdN24] Verena Bögelein, Frank Duzaar, Raffaella Giova, and Antonia Passarelli di Napoli. Gradient regularity for a class of widely degenerate parabolic systems. *SIAM Journal on Mathematical Analysis*, 56 (4):5017–5078, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1589232`.

Briant:2022:CTG

[BDMA22] Marc Briant, Antoine Diez, and Sara Merino-Aceituno. Cauchy theory for general kinetic Vicsek models in collective dynamics and mean-field limit approximations. *SIAM Journal on Mathematical Analysis*, 54(1):1131–1168, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1405885`.

Bianchini:2022:MEH

[BDN22] Stefano Bianchini, Prerona Dutta, and Khai T. Nguyen. Metric entropy for Hamilton–Jacobi equations with uniformly directionally convex Hamiltonian. *SIAM Journal on Mathematical Analysis*, 54(5):5551–5575, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1475430`.

Barre:2021:FNM

[BDOZ21] Julien Barré, Paul Dobson, Michela Ottobre, and Ewelina Zatorska. Fast non-mean-field networks: Uniform in time averaging. *SIAM Journal on Mathematical Analysis*, 53(1): 937–972, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Biswas:2021:HIH

[BDS21] Animesh Biswas, Marta De León-Contreras, and Pablo Raúl Stinga. Harnack inequalities and Hölder estimates for master equations. *SIAM Journal on Mathematical Analysis*, 53 (2):2319–2348, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Boccato:2024:UBG

[BDS24] Chiara Boccato, Andreas Deuchert, and David Stocker. Upper bound for the grand canonical free energy of the Bose gas in the Gross–Pitaevskii limit. *SIAM Journal on Mathematical Analysis*, 56(2):2611–2660, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Bellieud:2022:HNH

[Bel22] Michel Bellieud. Homogenization of Norton–Hoff fibered composites with high viscosity contrast. *SIAM Journal on Mathematical Analysis*, 54(1):649–692, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1345785`.

Bessaih:2021:SHC

[BEM21] Hakima Bessaih, Yalchin Efendiev, and Razvan Florian Maris. Stochastic homogenization of a convection-diffusion equation. *SIAM Journal on Mathematical Analysis*, 53(3): 2718–2745, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bach:2023:GDM

[BEMZ23] Annika Bach, Teresa Esposito, Roberta Marziani, and Caterina Ida Zeppieri. Gradient damage models for heterogeneous materials. *SIAM Journal on Mathematical Analysis*, 55(4):3567–3601, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154

(electronic). URL https://epubs.siam.org/doi/10.1137/22M1499145.

BenPorat:2024:MLE

[Ben24] Immanuel Ben Porat. The magnetic Liouville equation as a semiclassical limit. *SIAM Journal on Mathematical Analysis*, 56(1):955–992, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Blaustein:2023:CPF

[BF23] Alain Blaustein and Francis Filbet. Concentration phenomena in Fitzhugh–Nagumo equations: a mesoscopic approach. *SIAM Journal on Mathematical Analysis*, 55(1):367–404, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1469961.

Breit:2022:CNS

[BFHZ22] Dominic Breit, Eduard Feireisl, Martina Hofmanová, and Ewelina Zatorska. Compressible Navier–Stokes system with transport noise. *SIAM Journal on Mathematical Analysis*, 54(4):4465–4494, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1464701.

Baratchart:2021:SSC

[BFLP21] L. Baratchart, S. Fueyo, G. Lebeau, and J.-B. Pomet. Sufficient stability conditions for time-varying networks of telegrapher's equations or difference-delay equations. *SIAM Journal on Mathematical Analysis*, 53(2):1831–1856, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brezina:2020:SSS

[BFN20] Jan Brezina, Eduard Feireisl, and Antonín Novotný. Stability of strong solutions to the Navier–Stokes–Fourier system. *SIAM Journal on Mathematical Analysis*, 52(2):1761–1785, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beretta:2021:LSD

[BFV21] Elena Beretta, Elisa Francini, and Sergio Vessella. Lipschitz stable determination of polygonal conductivity inclusions in a two-dimensional layered medium from the Dirichlet-to–Neumann map. *SIAM Journal on Mathematical Analysis*, 53(4):4303–4327, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bian:2024:ONI

[BG24] D. Bian and E. Grenier. Onset of nonlinear instabilities in monotonic viscous boundary layers. *SIAM Journal on Mathematical Analysis*, 56(3):3703–3719, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154

(electronic). URL https://epubs.siam.org/doi/10.1137/22M1505773.

Baratchart:2021:DVF

[BGK21] L. Baratchart, C. Gerhards, and A. Kegeles. Decomposition of L^2-vector fields on Lipschitz surfaces: Characterization via null-spaces of the scalar potential. *SIAM Journal on Mathematical Analysis*, 53(4):4096–4117, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Buttazzo:2023:MOP

[BGL23] Giuseppe Buttazzo, Maria Stella Gelli, and Danka Lučić. Mass optimization problem with convex cost. *SIAM Journal on Mathematical Analysis*, 55 (5):5617–5642, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1493525.

Braga:2020:KBG

[BGMW20] J. Ederson M. Braga, Diego E. M. Gomes, Diego Moreira, and Lihe Wang. Krylov's boundary gradient type estimates for solutions to fully nonlinear differential inequalities with quadratic growth on the gradient. *SIAM Journal on Mathematical Analysis*, 52(5): 4469–4505, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bressan:2022:OST

[BGS22] Alberto Bressan, Sondre T. Galtung, and Qing Sun. Optimal shapes for tree roots. *SIAM Journal on Mathematical Analysis*, 54(4):4757–4784, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1440281.

Bucur:2022:SRR

[BGT22] Dorin Bucur, Alessandro Giacomini, and Paola Trebeschi. Stability results for the Robin-Laplacian on nonsmooth domains. *SIAM Journal on Mathematical Analysis*, 54 (4):4591–4624, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1471250.

Baldi:2022:LLM

[BH22a] Pietro Baldi and Emanuele Haus. Longer lifespan for many solutions of the Kirchhoff equation. *SIAM Journal on Mathematical Analysis*, 54(1):306–342, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1351515.

Burtea:2022:VCL

[BH22b] Cosmin Burtea and Boris Haspot. Vanishing capillarity limit of the Navier–Stokes–

Korteweg system in one dimension with degenerate viscosity coefficient and discontinuous initial density. *SIAM Journal on Mathematical Analysis*, 54(2):1428–1469, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1428686`.

Bramburger:2023:PFR

[BH23] Jason Bramburger and Matt Holzer. Pattern formation in random networks using graphons. *SIAM Journal on Mathematical Analysis*, 55 (3):2150–2185, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1455875`.

Bellassoued:2023:SEI

[BHL23] Mourad Bellassoued, Houssem Haddar, and Amal Labidi. Stability estimate for an inverse problem for the time harmonic magnetic Schrödinger operator from the near and far field patterns. *SIAM Journal on Mathematical Analysis*, 55(4):2475–2504, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1481956`.

Busuioc:2020:LEE

[BIFL20] Adriana V. Busuioc, Dragos Iftimie, Milton D. Lopes Filho, and Helena J. Nussenzveig Lopes. The limit $\alpha \to 0$ of the α-euler equations in the half-plane with no-slip boundary conditions and vortex sheet initial data. *SIAM Journal on Mathematical Analysis*, 52(5): 5257–5286, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ballew:2023:GDP

[BIL+23] Joshua Ballew, Gautam Iyer, C. David Levermore, Hailiang Liu, and Robert L. Pego. Global dynamics and photon loss in the Kompaneets equation. *SIAM Journal on Mathematical Analysis*, 55(5):5715–5750, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1533207`.

Baumstark:2023:AHF

[BJ23] Julian Baumstark and Tobias Jahnke. Approximation of high-frequency wave propagation in dispersive media. *SIAM Journal on Mathematical Analysis*, 55(2):1214–1245, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1474035`.

Baumstark:2024:PHF

[BJL24] Julian Baumstark, Tobias Jahnke, and Christian Lubich.

Polarized high-frequency wave propagation beyond the nonlinear Schrödinger approximation. *SIAM Journal on Mathematical Analysis*, 56(1):454–473, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Balanzario:2020:RAS

[BK20a] E. P. Balanzario and E. I. Kaikina. Regularity analysis for stochastic complex Landau–Ginzburg equation with Dirichlet white-noise boundary conditions. *SIAM Journal on Mathematical Analysis*, 52(4):3376–3396, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Balazs:2020:DES

[BK20b] István Balázs and Tibor Krisztin. A differential equation with a state-dependent queueing delay. *SIAM Journal on Mathematical Analysis*, 52 (4):3697–3737, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Belishev:2021:DNS

[BK21] Mikhail I. Belishev and Dmitrii V. Korikov. On determination of nonorientable surface via its Dirichlet-to-Neumann operator. *SIAM Journal on Mathematical Analysis*, 53(5):5278–5287, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Buoso:2022:BRB

[BK22] Davide Buoso and James B. Kennedy. The bilaplacian with Robin boundary conditions. *SIAM Journal on Mathematical Analysis*, 54(1):36–78, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1363984`.

Biswas:2023:EUN

[BK23a] Anup Biswas and Saibal Khan. Existence-uniqueness for nonlinear integro-differential equations with drift in $\mathbf{R}^d$. *SIAM Journal on Mathematical Analysis*, 55(5):4378–4409, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1505931`.

Bresciani:2023:RMP

[BK23b] Marco Bresciani and Martin Kružík. A reduced model for plates arising as low-energy Γ-limit in nonlinear magnetoelasticity. *SIAM Journal on Mathematical Analysis*, 55 (4):3108–3168, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1446836`.

Bardi:2024:LTB

[BK24] Martino Bardi and Hicham Kouhkouh. Long-time behavior of deterministic mean field games with nonmonotone interactions. *SIAM Journal on Mathematical Analysis*, 56(4):5079–5098, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1608100`.

Bae:2023:BMT

[BKPY23] Gi-Chan Bae, Christian Klingenberg, Marlies Pirner, and Seok-Bae Yun. BGK model for two-component gases near a global Maxwellian. *SIAM Journal on Mathematical Analysis*, 55(2):1007–1047, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1469535`.

Bhattacharyya:2023:MRT

[BKS23] Sombuddha Bhattacharyya, Venkateswaran P. Krishnan, and Suman K. Sahoo. Momentum ray transforms and a partial data inverse problem for a polyharmonic operator. *SIAM Journal on Mathematical Analysis*, 55(4):4000–4038, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1500617`.

Bona:2020:KEH

[BL20] Jerry L. Bona and Jonatan Lenells. The KdV equation on the half-line: Time-periodicity and mass transport. *SIAM Journal on Mathematical Analysis*, 52(2):1009–1039, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Blaasten:2021:SCR

[BL21] Emilia L. K. Blåsten and Hongyu Liu. Scattering by curvatures, radiationless sources, transmission eigenfunctions, and inverse scattering problems. *SIAM Journal on Mathematical Analysis*, 53(4):3801–3837, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bies:2023:GTR

[Bl23] Piotr Micha Bies and Tomasz Cielak. Global-in-time regular unique solutions with positive temperature to one-dimensional thermoelasticity. *SIAM Journal on Mathematical Analysis*, 55(6):7024–7038, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Blaustein:2023:DLV

[Bla23] Alain Blaustein. Diffusive limit of the Vlasov–Poisson–Fokker–Planck model: Quantitative and strong convergence results. *SIAM Journal on Mathematical Analysis*, 55(5):5464–5482, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1530197`.

Borthagaray:2024:QLF

[BLN24a] Juan Pablo Borthagaray, Wenbo Li, and Ricardo H. Nochetto. Quasi-linear fractional-order operators in Lipschitz domains. *SIAM Journal on Mathematical Analysis*, 56(3):4006–4039, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1575871`.

Brennecke:2024:SOE

[BLN24b] Christian Brennecke, Jinyeop Lee, and Phan Thành Nam. Second order expansion of Gibbs state reduced density matrices in the Gross–Pitaevskii regime. *SIAM Journal on Mathematical Analysis*, 56(4):5262–5284, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1608215`.

Balehowsky:2022:ICT

[BLPS22] Tracey Balehowsky, Matti Lassas, Pekka Pankka, and Ville Sirviö. Invisibility cloaking and transformation optics for three dimensional manifolds and applications in cosmology. *SIAM Journal on Mathematical Analysis*, 54(3):3420–3456, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1431096`.

Bugiera:2022:SUG

[BLS22] Lars Bugiera, Enno Lenzmann, and Jérémy Sok. On symmetry and uniqueness of ground states for linear and nonlinear elliptic PDEs. *SIAM Journal on Mathematical Analysis*, 54(6):6119–6135, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1487576`.

Boardman:2020:SBM

[BLW20] Nicki Boardman, Hongxia Lin, and Jiahong Wu. Stabilization of a background magnetic field on a 2 dimensional magnetohydrodynamic flow. *SIAM Journal on Mathematical Analysis*, 52(5):5001–5035, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bedrossian:2022:LWD

[BMM22] Jacob Bedrossian, Nader Masmoudi, and Clément Mouhot. Linearized wave-damping structure of Vlasov–Poisson in $\mathbf{R}^3$. *SIAM Journal on Mathematical Analysis*, 54(4):4379–4406, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1386141`.

Bulicek:2021:IHC

[BMPS21] Miroslav Bulícek, Josef Málek, Vít Prusa, and Endre Süli. On incompressible heat-conducting viscoelastic rate-type fluids with stress-diffusion and purely spherical elastic response. *SIAM Journal on Mathematical Analysis*, 53(4): 3985–4030, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Blechta:2020:CIF

[BMR20] Jan Blechta, Josef Málek, and K. R. Rajagopal. On the classification of incompressible fluids and a mathematical analysis of the equations that govern their motion. *SIAM Journal on Mathematical Analysis*, 52(2): 1232–1289, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beck:2023:ECE

[BMZ23] Lisa Beck, Daniel Matthes, and Martina Zizza. Exponential convergence to equilibrium for coupled systems of nonlinear degenerate drift diffusion equations. *SIAM Journal on Mathematical Analysis*, 55(3):1766–1809, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1466980`.

Beeson:2022:AFE

[BNP22] Ryne Beeson, Navaratnam S. Namachchivaya, and Nicolas Perkowski. Approximation of the filter equation for multiple timescale, correlated, nonlinear systems. *SIAM Journal on Mathematical Analysis*, 54(3):3054–3090, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1379265`.

Benesova:2023:FRB

[BNSS23] Barbora Benesová, Sárka Necasová, Jan Scherz, and Anja Schlömerkemper. Fluid-rigid body interaction in an incompressible electrically conducting fluid. *SIAM Journal on Mathematical Analysis*, 55(2):929–965, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M148255X`.

Boccardo:2021:ESR

[BO21] Lucio Boccardo and Luigi Orsina. An elliptic system related to the stationary thermistor problem. *SIAM Journal on Mathematical Analysis*, 53(6): 6910–6931, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brandolese:2024:FRD

[BO24] Lorenzo Brandolese and Takahiro Okabe. Forced rapidly dissipative Navier–Stokes flows. *SIAM Journal on Mathematical Analysis*, 56(1):412–432, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Bobrowski:2020:MDT

[Bob20] Adam Bobrowski. Modeling diffusion in thin 2D layers separated by a semipermeable membrane. *SIAM Journal on Mathematical Analysis*, 52(4): 3222–3251, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bobrowski:2023:CNF

[Bob23] Adam Bobrowski. Concatenation of nonhonest Feller processes, exit laws, and limit theorems on graphs. *SIAM Journal on Mathematical Analysis*, 55(4):3457–3508, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1487552`.

Bocchi:2020:FSS

[Boc20] Edoardo Bocchi. Floating structures in shallow water: Local well-posedness in the axisymmetric case. *SIAM Journal on Mathematical Analysis*, 52(1):306–339, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bal:2020:PBA

[BP20] Guillaume Bal and Benjamin Palacios. Pencil-beam approximation of stationary Fokker–Planck. *SIAM Journal on Mathematical Analysis*, 52(4): 3487–3519, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Biswas:2021:CDA

[BP21] Animikh Biswas and Randy Price. Continuous data assimilation for the three-dimensional Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 53(6): 6697–6723, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bruell:2023:SPT

[BP23] Gabriele Bruell and Long Pei. Symmetry of periodic traveling waves for nonlocal dispersive equations. *SIAM Journal on Mathematical Analysis*, 55(1):486–507, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1433162`.

Bengel:2024:PEL

[BPR24] Lukas Bengel, Dmitry Pelinovsky, and Wolfgang Reichel. Pinning in the extended Lugiato–Lefever equation. *SIAM Journal on Mathematical Analysis*, 56(3):3679–3702, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1550700`.

Blaasten:2023:FHM

[BPS23] Emilia L. K. Blåsten, Lassi Päivärinta, and Sadia Sadique. The Fourier, Hilbert, and Mellin transforms on a half-line. *SIAM Journal on Mathematical Analysis*, 55(6):7529–7548, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Bulicek:2022:EUG

[BPSS22] Miroslav Bulícek, Victoria Patel, Endre Süli, and Yasemin Sengül. Existence and uniqueness of global weak solutions to strain-limiting viscoelasticity with Dirichlet boundary data. *SIAM Journal on Mathematical Analysis*, 54(6):6186–6222, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1455322`.

Barbu:2023:NFP

[BR23] Viorel Barbu and Michael Röckner. Nonlinear Fokker–Planck equations with time-dependent coefficients. *SIAM Journal on Mathematical Analysis*, 55(1):1–18, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M145481X`.

Banerjee:2024:CPS

[BS24a] Agnid Banerjee and Soumen Senapati. The Calderón problem for space–time fractional parabolic operators with variable coefficients. *SIAM Journal on Mathematical Analysis*, 56(4):4759–4810, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1584137`.

Buccheri:2024:VSN

[BS24b] Stefano Buccheri and Ulisse Stefanelli. Viscosity solutions for nonlocal equations with space-dependent operators. *SIAM Journal on Mathematical Analysis*, 56(1):336–373, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Benabbas:2024:WPC

[BSH24] Imen Benabbas and Belkacem Said-Houari. The Westervelt–Pennes–Cattaneo model of nonlinear thermo-acoustics: Local well–posedness and singular limit for vanishing relaxation time. *SIAM Journal on Mathematical Analysis*, 56(3):2968–3003, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Boudin:2022:ECT

[BST22] Laurent Boudin, Francesco Salvarani, and Emmanuel Trélat. Exponential convergence towards consensus for non-symmetric linear first-order systems in finite and infinite dimensions. *SIAM Journal on Mathematical Analysis*, 54(3):2727–2752, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154

(electronic). URL https://epubs.siam.org/doi/10.1137/21M1416102.

Bai:2023:LGS

[BSW23] Ruobing Bai, Jia Shen, and Yifei Wu. Large global solutions for the energy-critical nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 55 (5):4193–4218, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1495123.

Bradshaw:2021:LES

[BT21] Zachary Bradshaw and Tai-Peng Tsai. Local energy solutions to the Navier–Stokes equations in Wiener amalgam spaces. *SIAM Journal on Mathematical Analysis*, 53(2): 1993–2026, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Basaric:2023:WPQ

[BT23] Danica Basarić and Tong Tang. On well-posedness of quantum fluid systems in the class of dissipative solutions. *SIAM Journal on Mathematical Analysis*, 55(3):2434–2466, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M148985X.

Brenier:2020:OTM

[BV20a] Yann Brenier and Dmitry Vorotnikov. On optimal transport of matrix-valued measures. *SIAM Journal on Mathematical Analysis*, 52(3):2849–2873, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Budd:2020:GMB

[BV20b] Jeremy Budd and Yves Van Gennip. Graph Merriman–Bence–Osher as a SemiDiscrete implicit Euler scheme for graph Allen–Cahn flow. *SIAM Journal on Mathematical Analysis*, 52(5):4101–4139, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonnet-Weill:2024:VIP

[BWF24] Benoît Bonnet-Weill and Hélène Frankowska. On the viability and invariance of proper sets under continuity inclusions in Wasserstein spaces. *SIAM Journal on Mathematical Analysis*, 56(3):2863–2914, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Bae:2020:QBM

[BY20] Gi-Chan Bae and Seok-Bae Yun. Quantum BGK model near a global Fermi–Dirac distribution. *SIAM Journal on Mathematical Analysis*, 52(3): 2313–2352, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Byun:2023:DCG

[BY23] Sung-Soo Byun and Meng Yang. Determinantal Coulomb gas ensembles with a class of discrete rotational symmetric potentials. *SIAM Journal on Mathematical Analysis*, 55(6):6867–6897, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Bian:2024:GSI

[BZGZ24] Xingzhi Bian, Peicheng Zhu, Boling Guo, and Ying Zhang. Global solutions to an initial-boundary value problem of a phase-field model for motion of grain boundaries. *SIAM Journal on Mathematical Analysis*, 56(4):4296–4323, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1477775`.

Carrillo:2024:SVC

[CaDZ24] José A. Carrillo, Xu an Dou, and Zhennan Zhou. A simplified voltage-conductance kinetic model for interacting neurons and its asymptotic limit. *SIAM Journal on Mathematical Analysis*, 56(1):676–726, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Cai:2023:UBH

[Cai23] Yuan Cai. Uniform bound of the highest-order energy of the 2D incompressible elastodynamics. *SIAM Journal on Mathematical Analysis*, 55(5):5893–5918, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1519894`.

Carrillo:2024:DMV

[CbGwG24] José A. Carrillo, Tomasz D. biec, Piotr Gwiazda, and Agnieszka wierczewska Gwiazda. Dissipative measure-valued solutions to the Euler–Poisson equation. *SIAM Journal on Mathematical Analysis*, 56(1):304–335, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Crin-Barat:2023:HPC

[CBHS23] Timothée Crin-Barat, Qingyou He, and Ling-Yun Shou. The hyperbolic-parabolic chemotaxis system for vasculogenesis: Global dynamics and relaxation limit toward a Keller–Segel model. *SIAM Journal on Mathematical Analysis*, 55(5):4445–4492, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1477295`.

Cook:2022:RCC

[CC22] Brendan Cook and Jeff Calder. Rates of convergence for the continuum limit of nondominated sorting. *SIAM Journal on Mathematical Analysis*, 54(1):872–911, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154

(electronic). URL https://epubs.siam.org/doi/10.1137/20M1344901.

Chicaud:2023:ATH

[CC23] Damien Chicaud and Patrick Ciarlet. Analysis of time-harmonic Maxwell impedance problems in anisotropic media. *SIAM Journal on Mathematical Analysis*, 55(3):1969–2000, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1485413.

Carlone:2021:ETD

[CCFO21] Raffaele Carlone, Michele Correggi, Marco Falconi, and Marco Olivieri. Emergence of time-dependent point interactions in polaron models. *SIAM Journal on Mathematical Analysis*, 53(4):4657–4691, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Capoferri:2023:ELD

[CCi23] Matteo Capoferri, Mikhail Cherdantsev, and Igor Vel i. Eigenfunctions localised on a defect in high-contrast random media. *SIAM Journal on Mathematical Analysis*, 55(6):7449–7489, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Chen:2023:QBE

[CCJT23] Hebai Chen, Xingwu Chen, Man Jia, and Yilei Tang. A quintic $\mathbf{z_2}$-equivariant Liénard system arising from the complex Ginzburg–Landau equation. *SIAM Journal on Mathematical Analysis*, 55(6):5993–6038, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Chen:2021:HSS

[CCKW21] Xin Chen, Zhen-Qing Chen, Takashi Kumagai, and Jian Wang. Homogenization of symmetric stable-like processes in stationary ergodic media. *SIAM Journal on Mathematical Analysis*, 53(3):2957–3001, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cox:2023:HSF

[CCLM23] Graham Cox, Mitchell Curran, Yuri Latushkin, and Robert Marangell. Hamiltonian spectral flows, the Maslov index, and the stability of standing waves in the nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 55(5):4998–5050, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1533797.

Chicaud:2021:AVF

[CCM21] Damien Chicaud, Patrick Ciarlet, Jr., and Axel Modave. Analysis of variational formulations and low-regularity solutions for time-harmonic electromagnetic problems in complex anisotropic media.

SIAM Journal on Mathematical Analysis, 53(3):2691–2717, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2022:HOR

[CCS22] Xinfu Chen, John Chadam, and David Saunders. Higher-order regularity of the free boundary in the inverse first-passage problem. *SIAM Journal on Mathematical Analysis*, 54(4):4695–4720, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1466797`.

Carrillo:2023:MFL

[CCS23] José A. Carrillo, Andrea Clini, and Susanne Solem. The mean field limit of stochastic differential equation systems modeling grid cells. *SIAM Journal on Mathematical Analysis*, 55(4):3602–3634, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1465640`.

Cai:2024:LOT

[CCS24] Hong Cai, Geng Chen, and Yannan Shen. Lipschitz optimal transport metric for a wave system modeling nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 56(4):5144–5174, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/24M1629547`.

Cai:2023:SFR

[CCW23] Hong Cai, Geng Chen, and Tian-Yi Wang. Singularity formation for radially symmetric expanding wave of compressible Euler equations. *SIAM Journal on Mathematical Analysis*, 55(4):2917–2947, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1487692`.

Chen:2021:FSE

[CCZ21] Geng Chen, Gui-Qiang G. Chen, and Shengguo Zhu. Formation of singularities and existence of global continuous solutions for the compressible Euler equations. *SIAM Journal on Mathematical Analysis*, 53(6):6280–6325, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2022:GSV

[CCZ22] Zili Chen, Jing Chen, and Xianwen Zhang. Global solutions of the Vlasov–Poisson system with a radiation damping term for general initial data. *SIAM Journal on Mathematical Analysis*, 54(1):693–722, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https:`

//epubs.siam.org/doi/10.1137/20M1366101.

Colombo:2020:RTH

[CD20] Maria Colombo and Luigi De Rosa. Regularity in time of Hölder solutions of Euler and hypodissipative Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 52(1): 221–238, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheng:2021:OII

[CD21] Jianfeng Cheng and Lili Du. Oblique injection of incompressible ideal fluid from a slot into a free stream. *SIAM Journal on Mathematical Analysis*, 53(1):754–794, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coghi:2022:MVS

[CDF+22] Michele Coghi, Wolfgang Dreyer, Peter K. Friz, Paul Gajewski, Clemens Guhlke, and Mario Maurelli. A McKean–Vlasov SDE and particle system with interaction from reflecting boundaries. *SIAM Journal on Mathematical Analysis*, 54(2):2251–2294, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1409421.

Corona:2023:NAV

[CDG23] D. Corona, A. Della Corte, and F. Giannoni. A non-autonomous variational problem describing a nonlinear Timoshenko beam. *SIAM Journal on Mathematical Analysis*, 55(5):4664–4694, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1493653.

Candiani:2020:MBR

[CDGH20] Valentina Candiani, Jérémi Dardé, Henrik Garde, and Nuutti Hyvönen. Monotonicity-based reconstruction of extreme inclusions in electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 52(6):6234–6259, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2022:ORM

[CDL22] Jongkeun Choi, Hongjie Dong, and Zongyuan Li. Optimal regularity of mixed Dirichlet-conormal boundary value problems for parabolic operators. *SIAM Journal on Mathematical Analysis*, 54 (2):1393–1427, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1461344.

Cao:2024:VPB

[CDL24] Chuqi Cao, Dingqun Deng, and Xingyu Li. The Vlasov–Poisson–Boltzmann/Landau system with polynomial perturbation near Maxwellian. *SIAM Journal on Mathematical Analysis*, 56(1):820–876, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Casado-Diaz:2020:DRP

[CDLLSG20] Juan Casado-Díaz, Manuel Luna-Laynez, and Francisco J. Suárez-Grau. A decomposition result for the pressure of a fluid in a thin domain and extensions to elasticity problems. *SIAM Journal on Mathematical Analysis*, 52(3):2201–2236, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cao:2021:NGS

[CDLZ21] Xinlin Cao, Huaian Diao, Hongyu Liu, and Jun Zou. On novel geometric structures of Laplacian eigenfunctions in $\mathbf{R}^3$ and applications to inverse problems. *SIAM Journal on Mathematical Analysis*, 53(2): 1263–1294, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cesana:2024:SMS

[CDM24] Pierluigi Cesana, Lucia De Luca, and Marco Morandotti. Semidiscrete modeling of systems of wedge disclinations and edge dislocations via the Airy stress function method. *SIAM Journal on Mathematical Analysis*, 56(1):79–136, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Capuani:2021:MEF

[CDN21] Rossana Capuani, Prerona Dutta, and Khai T. Nguyen. Metric entropy for functions of bounded total generalized variation. *SIAM Journal on Mathematical Analysis*, 53(1): 1168–1190, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Constantin:2020:EHE

[CDS20] Peter Constantin, Theodore D. Drivas, and Roman Shvydkoy. Entropy hierarchies for equations of compressible fluids and self-organized dynamics. *SIAM Journal on Mathematical Analysis*, 52(3):3073–3092, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2021:FKT

[CDX21] Zhen-Qing Chen, Weihua Deng, and Pengbo Xu. Feynman–Kac transform for anomalous processes. *SIAM Journal on Mathematical Analysis*, 53(5): 6017–6047, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2022:GES

[CDX22] Jongkeun Choi, Hongjie Dong, and Longjuan Xu. Gradient estimates for Stokes and Navier–Stokes systems with piecewise DMO coefficients. *SIAM Journal on Mathematical Analysis*, 54(3):3609–3635, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1423518`.

Chen:2024:SNS

[CDZ24] Weiquan Chen, Zhao Dong, and Xiangchan Zhu. Sharp nonuniqueness of solutions to stochastic Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 56(2):2248–2285, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Caetano:2023:RSE

[CEGP23] Diogo Caetano, Charles M. Elliott, Maurizio Grasselli, and Andrea Poiatti. Regularization and separation for evolving surface Cahn–Hilliard equations. *SIAM Journal on Mathematical Analysis*, 55(6):6625–6675, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Carlier:2021:EWB

[CEK21] Guillaume Carlier, Katharina Eichinger, and Alexey Kroshnin. Entropic-Wasserstein barycenters: PDE characterization, regularity, and CLT. *SIAM Journal on Mathematical Analysis*, 53(5):5880–5914, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2021:CSS

[CEW21] Huyuan Chen, Gilles Evéquoz, and Tobias Weth. Complex solutions and stationary scattering for the nonlinear Helmholtz equation. *SIAM Journal on Mathematical Analysis*, 53(2):2349–2372, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Crasta:2020:BFB

[CF20] Graziano Crasta and Ilaria Fragalà. Bernoulli free boundary problem for the infinity Laplacian. *SIAM Journal on Mathematical Analysis*, 52(1):821–844, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cardaliaguet:2021:HMT

[CF21] Pierre Cardaliaguet and Nicolas Forcadel. From heterogeneous microscopic traffic flow models to macroscopic models. *SIAM Journal on Mathematical Analysis*, 53(1):309–322, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chauleur:2022:APW

[CF22] Quentin Chauleur and Erwan Faou. Around plane waves solutions of the Schrödinger–Langevin equation. *SIAM Journal on Mathematical Analysis*, 54(5):5103–5125, ???? 2022. CODEN SJMAAH.

ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1458387.

Chen:2020:LRS

[CFHX20] Gui-Qiang Chen, Mikhail Feldman, Jingchen Hu, and Wei Xiang. Loss of regularity of solutions of the Lighthill problem for shock diffraction for potential flow. *SIAM Journal on Mathematical Analysis*, 52(2): 1096–1114, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chafai:2021:CGU

[CFS21] Djalil Chafaï, Grégoire Ferré, and Gabriel Stoltz. Coulomb gases under constraint: Some theoretical and numerical results. *SIAM Journal on Mathematical Analysis*, 53(1):181–220, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Colli:2022:CHE

[CFS22] Pierluigi Colli, Takeshi Fukao, and Luca Scarpa. The Cahn–Hilliard equation with forward-backward dynamic boundary condition via vanishing viscosity. *SIAM Journal on Mathematical Analysis*, 54 (3):3292–3315, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M142441X.

Chaumont-Frelet:2023:SFL

[CFS23] T. Chaumont-Frelet and E. A. Spence. Scattering by finely layered obstacles: Frequency-explicit bounds and homogenization. *SIAM Journal on Mathematical Analysis*, 55 (2):1319–1363, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1450136.

Caroccia:2020:IRV

[CFV20] M. Caroccia, M. Focardi, and N. Van Goethem. On the integral representation of variational functionals on BD. *SIAM Journal on Mathematical Analysis*, 52(4):4022–4067, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Calsavara:2020:EGT

[CGG20] Bianca M. Calsavara and Francisco Guillen-Gonzalez. Existence of global-in-time weak solutions for a solidification model with convection in the liquid and rigid motion in the solid. *SIAM Journal on Mathematical Analysis*, 52(6):6260–6280, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cances:2023:SOH

[CGG23] Éric Cancès, Louis Garrigue, and David Gontier. Second-order homogenization of periodic Schrödinger operators with highly oscillating potentials. *SIAM Journal on Mathematical Analysis*, 55 (3):2288–2323, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1478446`.

Chen:2024:STD

[CGJL24] Bochao Chen, Yixian Gao, Shuguan Ji, and Yang Liu. Stability for time-domain elastic wave equations. *SIAM Journal on Mathematical Analysis*, 56(1):433–453, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Chone:2023:WOT

[CGK23] Philippe Choné, Nathael Gozlan, and Francis Kramarz. Weak optimal transport with unnormalized kernels. *SIAM Journal on Mathematical Analysis*, 55(6):6039–6092, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Chen:2023:WPS

[CGS23] Jie Chen, Boling Guo, and Jie Shao. Well-posedness and scattering for the generalized Boussinesq equation. *SIAM Journal on Mathematical Analysis*, 55(1):133–161, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1464993`.

Colli:2024:CEP

[CGSS24] Pierluigi Colli, Gianni Gilardi, Andrea Signori, and Jürgen Sprekels. Curvature effects in pattern formation: Well-posedness and optimal control of a sixth-order Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 56(4):4928–4969, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/24M1630372`.

Carstea:2023:IPP

[CGU23] Catalin I. Cârstea, Tuhin Ghosh, and Gunther Uhlmann. An inverse problem for the porous medium equation with partial data and a possibly singular absorption term. *SIAM Journal on Mathematical Analysis*, 55(1):162–185, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1465573`.

Canizo:2021:SGG

[CGY21] José A. Cañizo, Pierre Gabriel, and Havva Yoldas. Spectral gap for the growth-fragmentation equation via Harris's theorem. *SIAM Journal on Mathematical Analysis*, 53(5):5185–5214, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheng:2020:SDQ

[CGZ20] Xing Cheng, Zihua Guo, and Zehua Zhao. On scattering for the defocusing quintic nonlinear Schrödinger equation on the two-dimensional cylinder. *SIAM Journal on Mathematical Analysis*, 52(5):4185–4237, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chamorro:2021:RTD

[CH21a] Diego Chamorro and Jiao He. Regularity theory for the dissipative solutions of the MagnetoHydroDynamic equations. *SIAM Journal on Mathematical Analysis*, 53(5):5288–5321, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Corcho:2021:CPA

[CH21b] Adán J. Corcho and Hichem Hajaiej. On the Cauchy problem associated with a nonequilibrium Bose–Einstein condensate of exciton polaritons. *SIAM Journal on Mathematical Analysis*, 53(6):6191–6215, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheng:2023:IJF

[CH23] Jianfeng Cheng and Jinli Huang. Incompressible jet flow past an obstacle. *SIAM Journal on Mathematical Analysis*, 55(6):7077–7112, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Chaturvedi:2023:LEL

[Cha23] Sanchit Chaturvedi. Local existence for the Landau equation with hard potentials. *SIAM Journal on Mathematical Analysis*, 55(5):5345–5385, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1490107`.

Chen:2022:RBE

[Che22] Hongxu Chen. Regularity of Boltzmann equation with Cercignani–Lampis boundary in convex domain. *SIAM Journal on Mathematical Analysis*, 54(3):3316–3378, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1421635`.

Chihara:2022:MAP

[Chi22] Hiroyuki Chihara. Microlocal analysis of d-plane transform on the Euclidean space. *SIAM Journal on Mathematical Analysis*, 54(6):6254–6287, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1442322`.

Cao:2024:PMS

[CHJ24] Chuqi Cao, Ling-Bing He, and Jie Ji. Propagation of moments and sharp convergence rate for inhomogeneous noncutoff Boltzmann equation with soft potentials. *SIAM Journal on Mathematical Analysis*, 56 (1):1321–1426, February 2024. CODEN SJMAAH. ISSN 1095-7154.

Cho:2023:SNH

[CHL23] Yonggeun Cho, Seokchang Hong, and Kiyeon Lee. Scattering and nonscattering of the Hartree-type nonlinear Dirac system at critical regularity. *SIAM Journal on Mathematical Analysis*, 55(4):3395–3419, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1437135`.

Chou:2022:GES

[CHLL22] Shih-Wei Chou, John M. Hong, Hsin-Yi Lee, and Ying-Chieh Lin. Global entropy solutions and zero relaxation limit for Greenberg–Klar–Rascle multilane traffic flow model. *SIAM Journal on Mathematical Analysis*, 54(6):5949–5980, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1473716`.

Cipriani:2022:ZIL

[CHQ22] Cristina Cipriani, Hui Huang, and Jinniao Qiu. Zero-inertia limit: From particle swarm optimization to consensus-based optimization. *SIAM Journal on Mathematical Analysis*, 54(3):3091–3121, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1412323`.

Chen:2022:GSW

[CHS22] Yazhou Chen, Bin Huang, and Xiaoding Shi. Global strong and weak solutions to the initial-boundary-value problem of two-dimensional compressible MHD system with large initial data and vacuum. *SIAM Journal on Mathematical Analysis*, 54(3):3817–3847, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1453438`.

Chu:2023:HSL

[Chu23] Raymond Chu. A Hele–Shaw limit with a variable upper bound and drift. *SIAM Journal on Mathematical Analysis*, 55(5):4938–4976, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1482743`.

Chen:2024:ILE

[CHW24] Gui-Qiang G. Chen, Fei-Min Huang, and Tian-Yi Wang. Isothermal limit of entropy solutions of the Euler equations for isentropic gas dynamics. *SIAM Journal on Mathematical Analysis*, 56(1):1300–1320, February 2024. CODEN SJMAAH. ISSN 1095-7154.

Chen:2024:SFF

[CHX24a] Geng Chen, Tao Huang, and Xiang Xu. Singularity formation for full Ericksen–Leslie system of nematic liquid crystal flows in dimension two. *SIAM Journal on Mathematical Analysis*, 56(3):3968–4005, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1571046`.

Cheng:2024:UNS

[CHX24b] Tingzhi Cheng, Genggeng Huang, and Xianghui Xu. Uniqueness of nontrivial solutions for degenerate Monge–Ampere equations. *SIAM Journal on Mathematical Analysis*, 56(1):234–253, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Choi:2021:ASP

[CHXZ21] Young-Pil Choi, Seung-Yeal Ha, Qinghua Xiao, and Yinglong Zhang. Asymptotic stability of the phase-homogeneous solution to the Kuramoto–Sakaguchi equation with inertia. *SIAM Journal on Mathematical Analysis*, 53(3):3188–3235, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2024:IBV

[CHZ24] Geng Chen, Yanbo Hu, and Qingtian Zhang. Initial-boundary value problems for Poiseuille flow of nematic liquid crystal via full Ericksen–Leslie model. *SIAM Journal on Mathematical Analysis*, 56(2):1809–1850, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Ciarlet:2020:AEF

[Cia20] Patrick Ciarlet, Jr. On the approximation of electromagnetic fields by edge finite elements. Part 3: Sensitivity to coefficients. *SIAM Journal on Mathematical Analysis*, 52(3):3004–3038, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2023:NSS

[CiDRdTY23] Sitong Chen, Vicen iu D. R. dulescu, Xianhua Tang, and Shuai Yuan. Normalized solutions for Schrödinger equations with critical exponential growth in $\mathbf{r^2}$. *SIAM Journal on Mathematical Analysis*, 55(6):7704–7740, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Ciosmak:2021:MHI

[Cio21] Krzysztof J. Ciosmak. Matrix Hölder's inequality and divergence formulation of optimal transport of vector measures. *SIAM Journal on Mathematical Analysis*, 53(6):6932–6958, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cao:2021:GBW

[CJ21] Wentao Cao and Peng Jiang. Global bounded weak entropy solutions to the Euler–Vlasov equations in fluid-particle system. *SIAM Journal on Mathematical Analysis*, 53(4):3958–3984, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2024:MEE

[CJ24] Young-Pil Choi and Jinwook Jung. Modulated energy estimates for singular kernels and their applications to asymptotic analyses for kinetic equations. *SIAM Journal on Mathematical Analysis*, 56(2):1525–1559, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Carlen:2021:ASE

[CJL21] Eric A. Carlen, Ian Jauslin, and Elliott H. Lieb. Analysis of a simple equation for the ground state of the Bose gas II: Monotonicity, convexity, and condensate fraction. *SIAM Journal on Mathematical Analysis*, 53(5):5322–5360, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2023:UMV

[CJL23] Mi-Ran Choi, Sangdon Jin, and Young-Ran Lee. Uniqueness of a minimizer for a variational problem related to the dispersion managed nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 55(4):2595–2614, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1499972`.

Ciarlet:2022:MSH

[CK22] Patrick Ciarlet and Maryna Kachanovska. A mathematical study of a hyperbolic metamaterial in free space. *SIAM Journal on Mathematical Analysis*, 54(2):2216–2250, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1404223`.

Cardone:2023:SLD

[CK23a] Giuseppe Cardone and Andrii Khrabustovskyi. Spectrum of the Laplacian on a domain perturbed by small resonators. *SIAM Journal on Mathematical Analysis*, 55(4):3677–3712, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M148207X`.

Chang:2023:LRN

[CK23b] Tongkeun Chang and Kyungkeun Kang. Local regularity near boundary for the Stokes and Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 55(5):5051–5085, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https:`

//epubs.siam.org/doi/10.1137/22M150397X.

Chung:2020:DNF

[CKKP20] Jaywan Chung, Yong-Jung Kim, Ohsang Kwon, and Xingbin Pan. Discontinuous nonlinearity and finite time extinction. *SIAM Journal on Mathematical Analysis*, 52(1): 894–926, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coron:2020:NTE

[CKP20] Jean-Michel Coron, Alexander Keimer, and Lukas Pflug. Nonlocal transport equations — existence and uniqueness of solutions and relation to the corresponding conservation laws. *SIAM Journal on Mathematical Analysis*, 52(6):5500–5532, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cornean:2022:TDQ

[CKP+22] Horia Cornean, David Krejcirík, Thomas G. Pedersen, Nicolas Raymond, and Edgardo Stockmeyer. On the two-dimensional quantum confined Stark effect in strong electric fields. *SIAM Journal on Mathematical Analysis*, 54(2):2114–2127, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1386712.

Choi:2024:RTP

[CKP24] Jae-Hwan Choi, Jaehoon Kang, and Daehan Park. A regularity theory for parabolic equations with anisotropic nonlocal operators in $\boldsymbol{l_q(l_p)}$ spaces. *SIAM Journal on Mathematical Analysis*, 56(1): 1264–1299, February 2024. CODEN SJMAAH. ISSN 1095-7154.

Chen:2020:SRC

[CKW20] Lin Chen, Fanze Kong, and Qi Wang. Stationary ring and concentric-ring solutions of the Keller–Segel model with quadratic diffusion. *SIAM Journal on Mathematical Analysis*, 52(5):4565–4615, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2021:SCS

[CKZ21] Gui-Qiang G. Chen, Jie Kuang, and Yongqian Zhang. Stability of conical shocks in the three-dimensional steady supersonic isothermal flows past Lipschitz perturbed cones. *SIAM Journal on Mathematical Analysis*, 53(3):2811–2862, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carlier:2020:DAM

[CL20] Guillaume Carlier and Maxime Laborde. A differential approach to the multi-marginal Schrödinger system. *SIAM*

Journal on Mathematical Analysis, 52(1):709–717, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cantrell:2021:ESD

[CL21a] Robert Stephen Cantrell and King-Yeung Lam. On the evolution of slow dispersal in MultiSpecies communities. *SIAM Journal on Mathematical Analysis*, 53(4):4933–4964, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2021:ABS

[CL21b] Zhengzheng Chen and Yeping Li. Asymptotic behavior of solutions to an impermeable wall problem of the compressible fluid models of Korteweg type with density-dependent viscosity and capillarity. *SIAM Journal on Mathematical Analysis*, 53(2):1434–1473, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cheskidov:2021:ADA

[CL21c] Alexey Cheskidov and Xiaoyutao Luo. Anomalous dissipation, anomalous work, and energy balance for the Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 53(4):3856–3887, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ciotti:2021:PDC

[CL21d] Benjamin Ciotti and Bo Li. Passing from discrete to continuum models of electrostatic energy. *SIAM Journal on Mathematical Analysis*, 53(4): 4568–4604, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cao:2022:LSS

[CL22a] Yue Cao and Yachun Li. Local strong solutions to the full compressible Navier–Stokes system with temperature-dependent viscosity and heat conductivity. *SIAM Journal on Mathematical Analysis*, 54 (5):5588–5628, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1419544`.

Chiarini:2022:SEF

[CL22b] Leandro Chiarini and Claudio Landim. Schauder estimates for fractional Laplacians and NonLocal, one-dimensional singular SPDEs. *SIAM Journal on Mathematical Analysis*, 54(2):2163–2215, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1382829`.

Cheng:2023:SBT

[CL23] Mengyu Cheng and Zhenxin Liu. The Second Bogolyubov

Theorem and global averaging principle for SPDEs with monotone coefficients. *SIAM Journal on Mathematical Analysis*, 55(2):1100–1144, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1443698`.

Charlier:2024:BEW

[CL24] C. Charlier and J. Lenells. Boussinesq's equation for water waves: Asymptotics in sector V. *SIAM Journal on Mathematical Analysis*, 56 (3):4104–4142, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1587671`.

Claeys:2023:NOS

[Cla23] Xavier Claeys. NonLocal optimized Schwarz method for the Helmholtz equation with physical boundaries. *SIAM Journal on Mathematical Analysis*, 55(6):7490–7512, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Chen:2023:RTS

[CLLZ23] Ziang Chen, Jianfeng Lu, Yulong Lu, and Shengxuan Zhou. A regularity theory for static Schrödinger equations on $\mathbf{R}^d$ in spectral Barron spaces. *SIAM Journal on Mathematical Analysis*, 55(1):557–570, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1478719`.

Chen:2023:QNL

[CLMZ23] Liang Chen, Dongfang Li, Ming Mei, and Guojing Zhang. Quasi-neutral limit to steady-state hydrodynamic model of semiconductors with degenerate boundary. *SIAM Journal on Mathematical Analysis*, 55(4):2813–2837, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1504135`.

Chen:2020:EEC

[CLWX20] Ming Chen, Zhilei Liang, Dehua Wang, and Runzhang Xu. Energy equality in compressible fluids with physical boundaries. *SIAM Journal on Mathematical Analysis*, 52(2):1363–1385, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2023:SRD

[CLYaY23] Yuhui Chen, Minling Li, Qinghe Yao, and Zheng an Yao. Sharp rates of decay and global-in-time stability of large solutions to the three-dimensional incompressible Phan-Thien–Tanner system of polymeric flows. *SIAM Journal on Mathematical Analysis*, 55(5):4537–4569, ???? 2023. CODEN SJMAAH.

ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1435161`.

Cao:2022:GRS

[CLZ22] Yue Cao, Hao Li, and Shengguo Zhu. Global regular solutions for one-dimensional degenerate compressible Navier–Stokes equations with large data and far field vacuum. *SIAM Journal on Mathematical Analysis*, 54(4):4658–4694, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1464609`.

Caro:2020:OLW

[CM20a] Pedro Caro and Cristóbal J. Meroño. The observational limit of wave packets with noisy measurements. *SIAM Journal on Mathematical Analysis*, 52(5):5196–5212, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cogar:2020:MET

[CM20b] Samuel Cogar and Peter B. Monk. Modified electromagnetic transmission eigenvalues in inverse scattering theory. *SIAM Journal on Mathematical Analysis*, 52(6):6412–6441, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chiba:2022:SBM

[CM22] Hayato Chiba and Georgi S. Medvedev. Stability and bifurcation of mixing in the Kuramoto model with inertia. *SIAM Journal on Mathematical Analysis*, 54(2):1797–1819, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1427000`.

Campos:2023:TSI

[CM23a] Luccas Campos and Jason Murphy. Threshold solutions for the intercritical inhomogeneous NLS. *SIAM Journal on Mathematical Analysis*, 55(4):3807–3843, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1497663`.

Casteras:2023:HDC

[CM23b] Jean-Baptiste Casteras and Léonard Monsaingeon. Hidden dissipation and convexity for Kimura equations. *SIAM Journal on Mathematical Analysis*, 55(6):7361–7398, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Cavalcante:2023:ASK

[CM23c] Márcio Cavalcante and Claudio Muñoz. Asymptotic stability of KdV solitons on the half-line: a study in the energy space. *SIAM Journal on Mathematical Analysis*, 55

(5):4337–4377, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M146377X.

Cucchi:2020:CHM

[CMM20] Alessandro Cucchi, Antoine Mellet, and Nicolas Meunier. A Cahn–Hilliard model for cell motility. *SIAM Journal on Mathematical Analysis*, 52(4):3843–3880, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cuccagna:2024:ASC

[CMMS24] Scipio Cuccagna, Masaya Maeda, Federico Murgante, and Stefano Scrobogna. On asymptotic stability on a center hypersurface at the soliton for even solutions of the nonlinear Klein–Gordon equation when $2 \geq p\frac{5}{3}$. *SIAM Journal on Mathematical Analysis*, 56(4):5445–5473, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M1590871.

Cupps:2021:UBR

[CMT21] Brian P. Cupps, Jeff Morgan, and Bao Quoc Tang. Uniform boundedness for reaction-diffusion systems with mass dissipation. *SIAM Journal on Mathematical Analysis*, 53(1):323–350, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cannarsa:2023:BCD

[CMU23] Piermarco Cannarsa, Patrick Martinez, and Cristina Urbani. Bilinear control of a degenerate hyperbolic equation. *SIAM Journal on Mathematical Analysis*, 55(6):6517–6553, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Chickering:2023:ASS

[CMVP23] Kyle R. Chickering, Ryan C. Moreno-Vasquez, and Gavin Pandya. Asymptotically self-similar shock formation for 1D fractal Burgers' equation. *SIAM Journal on Mathematical Analysis*, 55(6):7328–7360, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Chae:2022:GRN

[CMX22] Dongho Chae, Qianyun Miao, and Liutang Xue. Global regularity of NonDiffusive temperature fronts for the two-dimensional viscous Boussinesq system. *SIAM Journal on Mathematical Analysis*, 54(4):4043–4103, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1457345.

Chen:2022:TSS

[CMZZ22] Liang Chen, Ming Mei, Guojing Zhang, and Kaijun Zhang. Transonic steady-states of

Euler–Poisson equations for semiconductor models with sonic boundary. *SIAM Journal on Mathematical Analysis*, 54(1):363–388, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1416369`.

Cakoni:2021:DTE

[CN21] Fioralba Cakoni and Hoai-Minh Nguyen. On the discreteness of transmission eigenvalues for the Maxwell equations. *SIAM Journal on Mathematical Analysis*, 53(1):888–913, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2023:PPI

[CN23] Ke Chen and Quoc-Hung Nguyen. The Peskin problem with $\dot{\boldsymbol{b}}^{\mathbf{1}}_{\infty,\infty}$ initial data. *SIAM Journal on Mathematical Analysis*, 55(6):6262–6304, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Cardone:2023:AES

[CNT23] Giuseppe Cardone, Sergey A. Nazarov, and Jari Taskinen. Asymptotic expansions of solutions to the Poisson equation with alternating boundary conditions on an open arc. *SIAM Journal on Mathematical Analysis*, 55(6):6940–6964, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Carstea:2020:UEG

[CNW20] Catalin I. Cârstea, Tu Nguyen, and Jenn-Nan Wang. Uniqueness estimates for the general complex conductivity equation and their applications to inverse problems. *SIAM Journal on Mathematical Analysis*, 52(1):570–580, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2021:GDO

[CNW21] Yan-Yu Chen, Hirokazu Ninomiya, and Chang-Hong Wu. Global dynamics on one-dimensional excitable media. *SIAM Journal on Mathematical Analysis*, 53(6):7081–7112, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Comech:2022:SCS

[Com22] Andrew Comech. On solutions with compact spectrum to nonlinear Klein–Gordon and Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 54(2):2128–2141, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1411330`.

Cooperman:2023:EMS

[Coo23] William Cooperman. Exponential mixing by shear flows. *SIAM Journal on Mathematical Analysis*, 55(6):7513–7528, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Correia:2024:SLW

[COS24] Simão Correia, Filipe Oliveira, and Jorge Drumond Silva. Sharp local well-posedness and nonlinear smoothing for dispersive equations through frequency-restricted estimates. *SIAM Journal on Mathematical Analysis*, 56(4):5604–5633, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M156923X.

Covi:2022:UFC

[Cov22] Giovanni Covi. Uniqueness for the fractional Calderón problem with quasilocal perturbations. *SIAM Journal on Mathematical Analysis*, 54(6):6136–6163, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1478641.

Cardenas:2024:DBE

[CPW24] Esteban Cárdenas, Natasa Pavlović, and William Warner. Derivation of a Boltzmann equation with higher-order collisions from a generalized Kac model. *SIAM Journal on Mathematical Analysis*, 56(4):5409–5444, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M1606150.

Crismale:2021:BVS

[CR21] Vito Crismale and Riccarda Rossi. Balanced viscosity solutions to a rate-independent coupled elasto-plastic damage system. *SIAM Journal on Mathematical Analysis*, 53(3):3420–3492, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Carter:2021:PRA

[CRS21] Paul Carter, Jens D. M. Rademacher, and Björn Sandstede. Pulse replication and accumulation of eigenvalues. *SIAM Journal on Mathematical Analysis*, 53(3):3520–3576, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Covi:2024:SEI

[CRTZ24] Giovanni Covi, Jesse Railo, Teemu Tyni, and Philipp Zimmermann. Stability estimates for the inverse fractional conductivity problem. *SIAM Journal on Mathematical Analysis*, 56(2):2456–2487, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Cardaliaguet:2022:MSM

[CS22] Pierre Cardaliaguet and Panagiotis Souganidis. Monotone solutions of the master equation for mean field games with idiosyncratic noise.

SIAM Journal on Mathematical Analysis, 54(4):4198–4237, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1450008`.

Cui:2023:SLS

[CS23] Jianbo Cui and Liying Sun. Stochastic logarithmic Schrödinger equations: Energy regularized approach. *SIAM Journal on Mathematical Analysis*, 55(4):3044–3080, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1442425`.

Chen:2021:SDP

[CT21] Hao Chen and Martin Traizet. Stacking disorder in periodic minimal surfaces. *SIAM Journal on Mathematical Analysis*, 53(1):855–887, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Claudianor:2023:EMN

[CT23] O. Alves Claudianor and Nguyen V. Thin. On existence of multiple normalized solutions to a class of elliptic problems in whole RN via Lusternik–Schnirelmann category. *SIAM Journal on Mathematical Analysis*, 55 (2):1264–1283, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1470694`.

Calder:2022:LRG

[CTL22] Jeff Calder, Nicolás García Trillos, and Marta Lewicka. Lipschitz regularity of graph Laplacians on random data clouds. *SIAM Journal on Mathematical Analysis*, 54 (1):1169–1222, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1356610`.

Cai:2021:GWP

[CW21] Yuan Cai and Fan Wang. Global well-posedness of incompressible elastodynamics in three-dimensional thin domain. *SIAM Journal on Mathematical Analysis*, 53(6):6654–6696, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cao:2022:MSV

[CW22] Daomin Cao and Jie Wan. Multiscale steady vortex patches for 2D incompressible Euler equations. *SIAM Journal on Mathematical Analysis*, 54(2):1488–1514, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1390529`.

Chandler-Wilde:2020:HFB

[CWSGS20] S. N. Chandler-Wilde, E. A. Spence, A. Gibbs, and V. P. Smyshlyaev. High-frequency bounds for the Helmholtz equation under parabolic trapping and applications in numerical analysis. *SIAM Journal on Mathematical Analysis*, 52(1):845–893, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cao:2020:DVT

[CWZ20] Daomin Cao, Guodong Wang, and Weicheng Zhan. Desingularization of vortices for two-dimensional steady Euler flows via the vorticity method. *SIAM Journal on Mathematical Analysis*, 52(6):5363–5388, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2024:AAR

[CWZ24] Pengyu Chen, Renhai Wang, and Xuping Zhang. Asymptotically autonomous robustness of random attractors for 3D BBM equations driven by nonlinear colored noise. *SIAM Journal on Mathematical Analysis*, 56(1):254–274, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Chen:2022:SFP

[CXZ22] Jun Chen, Zhouping Xin, and Aibin Zang. Subsonic flows past a profile with a vortex line at the trailing edge. *SIAM Journal on Mathematical Analysis*, 54(1):912–939, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1384099`.

Chen:2021:VSC

[CY21a] De-Han Chen and Irwin Yousept. Variational source conditions in L^p-spaces. *SIAM Journal on Mathematical Analysis*, 53(3):2863–2889, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Choi:2021:EHL

[CY21b] Young-Pil Choi and Seok-Bae Yun. Existence and hydrodynamic limit for a Paveri–Fontana type kinetic traffic model. *SIAM Journal on Mathematical Analysis*, 53(2): 2631–2659, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Chen:2022:STM

[CY22] Liang-Biao Chen and Peng-Fei Yao. Strain tensors and matching property on degenerated hyperbolic surfaces. *SIAM Journal on Mathematical Analysis*, 54(4):4930–4953, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1440906`.

Cao:2023:EMB

[CYY23] Daomin Cao, Shusen Yan, and Weilin Yu. Existence of multiple boundary vortexes in planar incompressible Euler flows. *SIAM Journal on Mathematical Analysis*, 55(5):5189–5220, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1500186`.

Dai:2021:GLS

[Dai21a] Jia-Yuan Dai. Ginzburg–Landau spiral waves in circular and spherical geometries. *SIAM Journal on Mathematical Analysis*, 53(1):1004–1028, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dai:2021:NWS

[Dai21b] Mimi Dai. Nonunique weak solutions in Leray–Hopf class for the three-dimensional Hall–MHD system. *SIAM Journal on Mathematical Analysis*, 53 (5):5979–6016, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

David:2024:DCD

[DbMS24] Noemi David, Tomasz D. biec, Mainak Mandal, and Markus Schmidtchen. A degenerate cross-diffusion system as the inviscid limit of a nonlocal tissue growth model. *SIAM Journal on Mathematical Analysis*, 56(2):2090–2114, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Dhia:2022:CSH

[DCWF+22] Anne-Sophie Bonnet-Ben Dhia, Simon N. Chandler-Wilde, Sonia Fliss, Christophe Hazard, Karl-Mikael Perfekt, and Yohanes Tjandrawidjaja. The complex-scaled half-space matching method. *SIAM Journal on Mathematical Analysis*, 54(1):512–557, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1387122`.

DelZotto:2023:EDT

[Del23] Augusto Del Zotto. Enhanced dissipation and transition threshold for the Poiseuille flow in a periodic strip. *SIAM Journal on Mathematical Analysis*, 55(5):4410–4424, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1444011`.

Deng:2020:DSN

[Den20] Dingqun Deng. Dissipation and semigroup on H^k_n: Non-cutoff linearized Boltzmann operator with soft potential. *SIAM Journal on Mathematical Analysis*, 52(3):3093–3113, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deng:2021:RNC

[Den21] Dingqun Deng. Regularity of non-cutoff Boltzmann equation with hard potential. *SIAM Journal on Mathematical Analysis*, 53(4):4513–4536, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ducrot:2020:SSB

[DG20] Arnaud Ducrot and Alexandre Genadot. Self-similar behavior of a nonlocal diffusion equation with time delay. *SIAM Journal on Mathematical Analysis*, 52 (3):2275–2312, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dweik:2023:OTA

[DG23] Samer Dweik and Wojciech Górny. Optimal transport approach to Sobolev regularity of solutions to the weighted least gradient problem. *SIAM Journal on Mathematical Analysis*, 55(3):1916–1948, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1468358`.

Dang:2023:HNS

[DGB23] Thuyen Dang, Yuliya Gorb, and Silvia Jiménez Bolaños. Homogenization of a NonLinear strongly coupled model of magnetorheological fluids. *SIAM Journal on Mathematical Analysis*, 55(1):102–132, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1476939`.

Dovetta:2020:PLA

[DGMP20] Simone Dovetta, Marco Ghimenti, Anna Maria Micheletti, and Angela Pistoia. Peaked and low action solutions of NLS equations on graphs with terminal edges. *SIAM Journal on Mathematical Analysis*, 52 (3):2874–2894, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ding:2021:SSD

[DGR21] Yanheng Ding, Qi Guo, and Bernhard Ruf. Stationary states of Dirac–Klein–Gordon systems with nonlinear interacting terms. *SIAM Journal on Mathematical Analysis*, 53 (5):5731–5755, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dareiotis:2020:ESP

[DGT20] Konstantinos Dareiotis, Benjamin Gess, and Pavlos Tsatsoulis. Ergodicity for stochastic porous media equations with multiplicative noise. *SIAM Journal on Mathematical Analysis*, 52(5):4524–4564, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dietert:2022:IPT

[DGV22] Helge Dietert and David Gérard-Varet. On the ill-posedness of the triple deck model. *SIAM Journal on Mathematical Analysis*, 54 (2):2611–2633, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1427401`.

Dong:2023:GWP

[DGWZ23] Zhao Dong, Boling Guo, Jiang-Lun Wu, and Guoli Zhou. Global well-posedness and regularity of stochastic 3D Burgers equation with multiplicative noise. *SIAM Journal on Mathematical Analysis*, 55 (3):1847–1882, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1413377`.

Dreier:2021:RID

[DH21] Florian Dreier and Markus Haltmeier. Recovering the initial data of the wave equation from Neumann traces. *SIAM Journal on Mathematical Analysis*, 53(2):2427–2451, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ding:2023:NLG

[Din23] Min Ding. Newtonian limits and global stability of shock solutions for piston problem to the relativistic full Euler system. *SIAM Journal on Mathematical Analysis*, 55(2):628–673, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1463422`.

Druet:2020:ACD

[DJ20] Pierre-Etienne Druet and Ansgar Jüngel. Analysis of cross-diffusion systems for fluid mixtures driven by a pressure gradient. *SIAM Journal on Mathematical Analysis*, 52(2):2179–2197, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

DallAcqua:2024:CCC

[DJLR24] Anna Dall'Acqua, Gaspard Jankowiak, Leonie Langer, and Fabian Rupp. Conservation, convergence, and computation for evolving heterogeneous elastic wires. *SIAM Journal on Mathematical Analysis*, 56(4):4494–4529, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M159086X`.

Dinh:2021:LTD

[DK21a] Van Duong Dinh and Sahbi Keraani. Long time dynamics of nonradial solutions to inhomogeneous nonlinear Schrödinger equations.

SIAM Journal on Mathematical Analysis, 53(4):4765–4811, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2021:GFN

[DK21b] Hongjie Dong and Seick Kim. Green's function for nondivergence elliptic operators in two dimensions. *SIAM Journal on Mathematical Analysis*, 53(4): 4637–4656, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dunst:2021:DSS

[DK21c] Kamil Dunst and Piotr Kokocki. Double spiral singularities for a flow of regular planar curves. *SIAM Journal on Mathematical Analysis*, 53(4):4727–4743, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Davies:2023:NSB

[DK23] Joseph P. Davies and Gabriel S. Koch. Navier–Stokes blowup rates in certain Besov spaces whose regularity exceeds the critical value by $\epsilon \in [1,2]$. *SIAM Journal on Mathematical Analysis*, 55(5):5432–5444, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1520268`.

Ding:2021:EKS

[DL21] Zhiyan Ding and Qin Li. Ensemble Kalman sampler: Mean-field limit and convergence analysis. *SIAM Journal on Mathematical Analysis*, 53 (2):1546–1578, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dai:2022:NRG

[DL22a] Feng Dai and Bin Liu. A new result for global solvability of a two species cancer invasion haptotaxis model with tissue remodeling. *SIAM Journal on Mathematical Analysis*, 54(1):1–35, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/19M1309870`.

Ding:2022:GSC

[DL22b] Mengyao Ding and Johannes Lankeit. Generalized solutions to a Chemotaxis-Navier–Stokes system with arbitrary superlinear degradation. *SIAM Journal on Mathematical Analysis*, 54(1):1022–1052, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M140907X`.

Dai:2024:ATI

[DL24a] Dan Dai and Wen-Gao Long. Asymptotics and total integrals of the $\mathrm{P}_{\mathrm{I}}^{2}$ Tritronquée solution and its Hamiltonian. *SIAM Journal on Mathematical Analysis*, 56(4):5350–5371, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1592304`.

Ding:2024:SSF

[DL24b] Min Ding and Yachun Li. Steady supersonic flows past Lipschitz wedges for two-dimensional relativistic Euler equations. *SIAM Journal on Mathematical Analysis*, 56(4):5474–5520, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1600530`.

Deng:2020:ASP

[DLL20] Youjun Deng, Hongjie Li, and Hongyu Liu. Analysis of surface polariton resonance for nanoparticles in elastic system. *SIAM Journal on Mathematical Analysis*, 52(2):1786–1805, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dai:2021:CNS

[DLQ21] Wei Dai, Zhao Liu, and Guolin Qin. Classification of nonnegative solutions to static Schrödinger–Hartree–Maxwell type equations. *SIAM Journal on Mathematical Analysis*, 53 (2):1379–1410, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2022:ADP

[DLW22] Qiang Du, Xin Yang Lu, and Chong Wang. The average distance problem with perimeter-to-area ratio penalization. *SIAM Journal on Mathematical Analysis*, 54(3):3122–3138, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1422987`.

Du:2024:ESD

[DLW24] Kai Du, Ruoyang Liu, and Yuxing Wang. Entropy solutions to the Dirichlet problem for nonlinear diffusion equations with conservative noise. *SIAM Journal on Mathematical Analysis*, 56(1):637–675, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Ding:2021:VPB

[DLX21] Shijin Ding, Zhilin Lin, and Feng Xie. Verification of Prandtl boundary layer ansatz for steady electrically conducting fluids with a moving physical boundary. *SIAM Journal on Mathematical Analysis*, 53 (5):4997–5059, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duan:2021:GCS

[DLY21] Renjun Duan, Shuangqian Liu, and Tong Yang. Global classical solutions for the Vlasov–Nordström–Fokker–Planck system. *SIAM Journal on Mathematical Analysis*, 53(5):6164–6190, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ding:2020:DTP

[DM20a] Weiwei Ding and Hiroshi Matano. Dynamics of time-periodic reaction-diffusion equations with front-like initial data on **R**. *SIAM Journal on Mathematical Analysis*, 52(3):2411–2462, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Donatelli:2020:CIQ

[DM20b] Donatella Donatelli and Prince Romeo Mensah. The combined incompressible quasineutral limit of the stochastic Navier–Stokes–Poisson system. *SIAM Journal on Mathematical Analysis*, 52(5):5090–5120, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2021:EMR

[DM21] Xiaojing Dong and Anmin Mao. Existence and multiplicity results for general quasilinear elliptic equations. *SIAM Journal on Mathematical Analysis*, 53(4):4965–4984, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duan:2022:GSW

[DM22] Senhao Duan and Yue Ma. Global solutions of wave-Klein–Gordon systems in $2+1$ dimensional space-time with strong couplings in divergence form. *SIAM Journal on Mathematical Analysis*, 54(3):2691–2726, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1377229`.

Dominguez:2024:IDH

[DM24] Tomas Dominguez and Jean-Christophe Mourrat. Infinite-dimensional Hamilton–Jacobi equations for statistical inference on sparse graphs. *SIAM Journal on Mathematical Analysis*, 56(4):4530–4593, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1527696`.

DiFratta:2020:VPM

[DMRS20] Giovanni Di Fratta, Cyrill B. Muratov, Filipp N. Rybakov, and Valeriy V. Slastikov. Variational principles of micromagnetics revisited. *SIAM Journal on Mathematical Analysis*, 52(4):3580–3599, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Davoli:2022:ECH

[DMS22a] Elisa Davoli, Anastasia Molchanova, and Ulisse Stefanelli. Equilibria of charged hyperelastic solids. *SIAM Journal on Mathematical Analysis*, 54 (2):1470–1487, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1413286`.

DiFratta:2022:SPM

[DMS22b] Giovanni Di Fratta, Antonin Monteil, and Valeriy Slastikov. Symmetry properties of minimizers of a perturbed Dirichlet energy with a boundary penalization. *SIAM Journal on Mathematical Analysis*, 54 (3):3636–3653, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M143011X`.

Dovetta:2022:NRR

[DMS22c] Simone Dovetta, Elio Marconi, and Laura V. Spinolo. New regularity results for scalar conservation laws, and applications to a source-destination model for traffic flows on networks. *SIAM Journal on Mathematical Analysis*, 54 (3):3019–3053, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1434283`.

Didier:2020:AAM

[DN20] Gustavo Didier and Hung Nguyen. Asymptotic analysis of the mean squared displacement under fractional memory kernels. *SIAM Journal on Mathematical Analysis*, 52(4): 3818–3842, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2022:HDF

[DN22] Yihong Du and Wenjie Ni. The high dimensional Fisher–KPP nonlocal diffusion equation with free boundary and radial symmetry, Part 1. *SIAM Journal on Mathematical Analysis*, 54(3):3930–3973, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1451920`.

doNascimento:2023:DEU

[dN23] Arnaldo Simal do Nascimento. The destabilizing effect of unbalanced reaction as diffusivity decreases on reaction-diffusion equations in boundaryless surfaces. *SIAM Journal on Mathematical Analysis*, 55(1):68–101, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1448082`.

Dodson:2021:SCS

[Dod21] Benjamin Dodson. The L^2 sequential convergence of a solution to the one-dimensional, mass-critical NLS above the ground state. *SIAM Journal on Mathematical Analysis*, 53 (4):4744–4764, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2022:GSK

[Don22] Shijie Dong. Global solution to the Klein–Gordon–Zakharov equations with uniform energy bounds. *SIAM Journal on Mathematical Analysis*, 54(1):595–615, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1395235.

DeLuca:2024:TSF

[DPS24] Lucia De Luca, Marcello Ponsiglione, and Emanuele Spadaro. Two slope functions minimizing fractional seminorms and applications to misfit dislocations. *SIAM Journal on Mathematical Analysis*, 56(1):1179–1196, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Dai:2023:CSC

[DQ23] Wei Dai and Guolin Qin. Classification of solutions to conformally invariant systems with mixed order and exponentially increasing or nonlocal nonlinearity. *SIAM Journal on Mathematical Analysis*, 55(3):2111–2149, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1499650.

Daneri:2020:PFL

[DR20a] Sara Daneri and Eris Runa. Pattern formation for a Local/Nonlocal interaction functional arising in colloidal systems. *SIAM Journal on Mathematical Analysis*, 52(3):2531–2560, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duchene:2020:LTA

[DR20b] V. Duchêne and L. M. Rodrigues. Large-time asymptotic stability of Riemann shocks of scalar balance laws. *SIAM Journal on Mathematical Analysis*, 52(1):792–820, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2024:NEP

[DR24] Hongjie Dong and Junhee Ryu. Nonlocal elliptic and parabolic equations with general stable operators in weighted Sobolev spaces. *SIAM Journal on Mathematical Analysis*, 56(4):4623–4661, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M160061X.

DeSilva:2021:CDO

[DS21a] Daniela De Silva and Ovidiu Savin. On certain degenerate one-phase free boundary problems. *SIAM Journal on Mathematical Analysis*, 53(1): 649–680, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Deng:2021:ETD

[DS21b] Shengfu Deng and Shu-Ming Sun. The existence of three-dimensional multi-Hump gravity-capillary surface waves on water of finite depth. *SIAM Journal on Mathematical Analysis*, 53(2):2134–2205, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dodson:2022:BSW

[DS22] Stephanie Dodson and Björn Sandstede. Behavior of spiral wave spectra with a rank-deficient diffusion matrix. *SIAM Journal on Mathematical Analysis*, 54(3):3789–3816, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1455917`.

Debiec:2023:CHM

[DS23] Tomasz Debiec and Endre Süli. Corotational Hookean models of dilute polymeric fluids: Existence of global weak solutions, weak-strong uniqueness, equilibration, and macroscopic closure. *SIAM Journal on Mathematical Analysis*, 55(1):310–346, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M149867X`.

Dinvay:2020:WPD

[DST20] E. Dinvay, S. Selberg, and A. Tesfahun. Well-posedness for a dispersive system of the Whitham–Boussinesq type. *SIAM Journal on Mathematical Analysis*, 52(3):2353–2382, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dohnal:2023:REA

[DST23] Tomá Dohnal, Roland Schnaubelt, and Daniel P. Tietz. Rigorous envelope approximation for interface wave packets in Maxwell's equations with two dimensional localization. *SIAM Journal on Mathematical Analysis*, 55(6):6898–6939, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Duan:2024:BAN

[DSU24] Renjun Duan, Shota Sakamoto, and Yoshihiro Ueda. An $\boldsymbol{l^1_k} \cap \boldsymbol{l^p_k}$ approach for the non-cutoff Boltzmann equation in $\mathbf{r^3}$. *SIAM Journal on Mathematical Analysis*, 56(1):762–800, January 2024. CODEN SJMAAH. ISSN 1095-7154.

DeNitti:2024:IPP

[DT24] Nicola De Nitti and Roman M. Taranets. Interface propagation properties for a nonlocal thin-film equation.

SIAM Journal on Mathematical Analysis, 56(1):173–196, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Deconinck:2020:OSE

[DU20] Bernard Deconinck and Jeremy Upsal. The orbital stability of elliptic solutions of the focusing nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 52(1): 1–41, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Duc:2023:PBO

[Duc23] Tho Nguyen Duc. Pseudomodes for biharmonic operators with complex potentials. *SIAM Journal on Mathematical Analysis*, 55(6):6580–6624, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Dunster:2021:NKF

[Dun21] T. M. Dunster. Nield–Kuznetsov functions and Laplace transforms of parabolic cylinder functions. *SIAM Journal on Mathematical Analysis*, 53 (5):5915–5947, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2020:BRC

[DW20] Hongjie Dong and Kunrui Wang. Boundary ε-regularity criteria for the three-dimensional Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 52(2): 1290–1309, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Du:2021:SCT

[DW21] Lili Du and Yongfu Wang. Steady collision of two jets issuing from two axially symmetric channels. *SIAM Journal on Mathematical Analysis*, 53(2): 2523–2566, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

deWolff:2023:EPC

[dW23] Babette A. J. de Wolff. Equivariant pyragas control of discrete waves. *SIAM Journal on Mathematical Analysis*, 55(6):6707–6739, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Dong:2024:GBE

[DY24] Hongjie Dong and Timur Yastrzhembskiy. Global $\boldsymbol{L_p}$ estimates for kinetic Kolmogorov–Fokker–Planck equations in divergence form. *SIAM Journal on Mathematical Analysis*, 56 (1):1223–1263, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Duan:2021:HSP

[DYZ21] Renjun Duan, Haiyan Yin, and Changjiang Zhu. A half-space problem on the full Euler–Poisson system. *SIAM Journal on Mathematical Analysis*, 53 (5):6094–6121, ???? 2021. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Dong:2023:TAN

[DZZ23] Hongjie Dong, Chulan Zeng, and Qi S. Zhang. Time analyticity for nonlocal parabolic equations. *SIAM Journal on Mathematical Analysis*, 55 (3):1883–1915, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1490740`.

Evgrafov:2023:NBP

[EB23] Anton Evgrafov and José C. Bellido. Nonlocal basis pursuit: Nonlocal optimal design of conductive domains in the vanishing material limit. *SIAM Journal on Mathematical Analysis*, 55(4):2740–2773, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1479166`.

Eceizabarrena:2022:ASF

[ED22] Daniel Eceizabarrena and Victor Vilaça Da Rocha. An analytical study of flatness and intermittency through Riemann's nondifferentiable functions. *SIAM Journal on Mathematical Analysis*, 54 (3):3575–3608, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1411512`.

Eberle:2021:SBI

[EFHS21] S. Eberle, F. Florian, R. Hiptmair, and S. A. Sauter. A stable boundary integral formulation of an acoustic wave transmission problem with mixed boundary conditions. *SIAM Journal on Mathematical Analysis*, 53(2):1492–1508, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Emmert:2020:LDM

[EFK20] Lukas Emmert, Rupert L. Frank, and Tobias König. Liquid drop model for nuclear matter in the dilute limit. *SIAM Journal on Mathematical Analysis*, 52(2):1980–1999, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Esposito:2024:PLS

[EFP+24] Antonio Corbo Esposito, Luisa Faella, Gianpaolo Piscitelli, Ravi Prakash, and Antonello Tamburrino. The p-Laplace "Signature" for quasilinear inverse problems with large boundary data. *SIAM Journal on Mathematical Analysis*, 56(1):275–303, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Ehrnstrom:2022:EDS

[EGN22] Mats Ehrnström, Mark D. Groves, and Dag Nilsson. Existence of Davey–Stewartson type solitary waves for the fully dispersive Kadomtsev–Petviashvilii equation. *SIAM Journal on Mathematical Analysis*, 54(4):4954–4986, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1451518`.

Entekhabi:2020:ISA

[EI20] Mozhgan Entekhabi and Victor Isakov. Increasing stability in acoustic and elastic inverse source problems. *SIAM Journal on Mathematical Analysis*, 52(5):5232–5256, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ennaji:2022:QCH

[EIN22] Hamza Ennaji, Noureddine Igbida, and Van Thanh Nguyen. Quasi-convex Hamilton–Jacobi equations via Finsler p-Laplace-type operators. *SIAM Journal on Mathematical Analysis*, 54(4):5041–5063, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M143306X`.

Eiter:2022:OTR

[Eit22] Thomas Eiter. On the Oseen-type resolvent problem associated with time-periodic flow past a rotating body. *SIAM Journal on Mathematical Analysis*, 54(4):4987–5012, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1456728`.

Eleuteri:2020:ASS

[EK20] Michela Eleuteri and Pavel Krejcí. Asymptotic stability of solutions to the porous media system with hysteresis. *SIAM Journal on Mathematical Analysis*, 52(4):3962–3989, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Epshteyn:2021:MGB

[ELM21] Yekaterina Epshteyn, Chun Liu, and Masashi Mizuno. Motion of grain boundaries with dynamic lattice misorientations and with triple junctions drag. *SIAM Journal on Mathematical Analysis*, 53(3):3072–3097, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Erceg:2022:STD

[EM22] Marko Erceg and Darko Mitrović. Strong traces to degenerate parabolic equations. *SIAM Journal on Mathematical Analysis*, 54(2):1775–1796, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1425530`.

Emerald:2021:RDW

[Eme21] Louis Emerald. Rigorous derivation from the water waves equations of some full dispersion shallow water models. *SIAM Journal on Mathematical Analysis*, 53(4):3772–3800, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Einav:2020:IDE

[EMT20] Amit Einav, Jeffrey J. Morgan, and Bao Q. Tang. Indirect diffusion effect in degenerate reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 52(5):4314–4361, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Eckstein:2022:QSR

[EN22] Stephan Eckstein and Marcel Nutz. Quantitative stability of regularized optimal transport and convergence of Sinkhorn's algorithm. *SIAM Journal on Mathematical Analysis*, 54 (6):5922–5948, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M145505X`.

Efendiev:2020:MAP

[EOE20] Messoud A. Efendiev, Mitsuharu Otani, and Hermann J. Eberl. Mathematical analysis of a PDE–ODE coupled model of mitochondrial swelling with degenerate calcium ion diffusion. *SIAM Journal on Mathematical Analysis*, 52(1):543–569, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Eptaminitakis:2024:WNG

[ES24] Nikolas Eptaminitakis and Plamen Stefanov. Weakly nonlinear geometric optics for the Westervelt equation and recovery of the nonlinearity. *SIAM Journal on Mathematical Analysis*, 56(1):801–819, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Evans:2021:HPE

[Eva21] Josephine Evans. Hypocoercivity in phi-entropy for the linear relaxation Boltzmann equation on the torus. *SIAM Journal on Mathematical Analysis*, 53 (2):1357–1378, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Evans:2023:ABR

[EY23] Josephine A. Evans and Havva Yolda. On the asymptotic behavior of a run and tumble equation for bacterial chemotaxis. *SIAM Journal on Mathematical Analysis*, 55(6):7635–7664, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Esteve-Yague:2022:DRI

[EYZ22] Carlos Esteve-Yagüe and Enrique Zuazua. Differentiability with respect to the initial condition for Hamilton–Jacobi equations. *SIAM Journal on Mathematical Analysis*, 54(5):5388–5423, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1469353`.

Esteve:2020:IPH

[EZ20] Carlos Esteve and Enrique Zuazua. The inverse problem for Hamilton–Jacobi equations and semiconcave envelopes. *SIAM Journal on Mathematical Analysis*, 52(6):5627–5657, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feppon:2021:HOH

[Fep21] Florian Feppon. High order homogenization of the Stokes system in a periodic porous medium. *SIAM Journal on Mathematical Analysis*, 53(3): 2890–2924, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Francini:2020:ERE

[FFV20] Elisa Francini, Giovanni Franzina, and Sergio Vessella. Existence and regularity for eddy current system with nonsmooth conductivity. *SIAM Journal on Mathematical Analysis*, 52(2):2134–2157, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ferreira:2021:HQC

[FFV21] Rita Ferreira, Irene Fonseca, and Raghavendra Venkatraman. Homogenization of quasicrystalline functionals via two-scale-cut-and-project convergence. *SIAM Journal on Mathematical Analysis*, 53(2):1785–1817, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fang:2022:APT

[FG22] Beixiang Fang and Xin Gao. On admissible positions of transonic shocks for steady isothermal Euler flows in a horizontal flat nozzle under vertical gravity. *SIAM Journal on Mathematical Analysis*, 54(5):5223–5267, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M146733X`.

Fonseca:2021:MCD

[FGW21] Irene Fonseca, Janusz Ginster, and Stephan Wojtowytsch. On the motion of curved dislocations in three dimensions: Simplified linearized elasticity. *SIAM Journal on Mathematical Analysis*, 53(2):2373–2426, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fischer:2022:GEA

[FHKM22] Julian Fischer, Katharina Hopf, Michael Kniely, and

Alexander Mielke. Global existence analysis of energy-reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 54(1):220–267, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1387237`.

Feng:2020:CGL

[FHM20] Zhewen Feng, Min-Chun Hong, and Yu Mei. Convergence of the Ginzburg–Landau approximation for the Ericksen–Leslie system. *SIAM Journal on Mathematical Analysis*, 52(1):481–523, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feng:2024:RTL

[FHM+24] Yue-Hong Feng, Haifeng Hu, Ming Mei, Yue-Jun Peng, and Guo-Jing Zhang. Relaxation time limits of subsonic steady states for hydrodynamic model of semiconductors with sonic or nonsonic boundary. *SIAM Journal on Mathematical Analysis*, 56(3):3452–3477, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Flandoli:2024:SCE

[FHP24] Franco Flandoli, Ruojun Huang, and Andrea Papini. Smoluchowski coagulation equation with velocity dependence. *SIAM Journal on Mathematical Analysis*, 56(4):5634–5677, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1540594`.

Feppon:2022:HOH

[FJ22] Florian Feppon and Wenjia Jing. High order homogenized Stokes models capture all three regimes. *SIAM Journal on Mathematical Analysis*, 54(4):5013–5040, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1390232`.

Ftouhi:2021:BSD

[FL21] Ilias Ftouhi and Jimmy Lamboley. Blaschke–Santaló diagram for volume, perimeter, and first Dirichlet eigenvalue. *SIAM Journal on Mathematical Analysis*, 53(2):1670–1710, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Flandoli:2024:BHS

[FL24] Franco Flandoli and Dejun Luo. On the Boussinesq hypothesis for a stochastic Proudman–Taylor model. *SIAM Journal on Mathematical Analysis*, 56(3):3886–3923, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1587944`.

Ferreira:2024:NLC

[FLNV24] Marina A. Ferreira, Jani Lukkarinen, Alessia Nota, and Juan J. L. Velázquez. Nonpower law constant flux solutions for the Smoluchowski coagulation equation. *SIAM Journal on Mathematical Analysis*, 56(3):2783–2817, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Feng:2024:PST

[FLRX24] Yan-Xia Feng, Wan-Tong Li, Shigui Ruan, and Ming-Zhen Xin. Principal spectral theory of time-periodic nonlocal dispersal cooperative systems and applications. *SIAM Journal on Mathematical Analysis*, 56(3):4040–4083, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1543902.

Fischer:2020:CRA

[FLS20] Julian Fischer, Tim Laux, and Theresa M. Simon. Convergence rates of the Allen–Cahn equation to mean curvature flow: a short proof based on relative entropies. *SIAM Journal on Mathematical Analysis*, 52(6):6222–6233, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Faustmann:2022:WAR

[FMMS22] Markus Faustmann, Carlo Marcati, Jens Markus Melenk, and Christoph Schwab. Weighted analytic regularity for the integral fractional Laplacian in polygons. *SIAM Journal on Mathematical Analysis*, 54(6):6323–6357, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M146569X.

Frid:2021:GSS

[FMN21] Hermano Frid, Daniel Marroquin, and João F. C. Nariyoshi. Global smooth solutions with large data for a system modeling Aurora type phenomena in the 2-torus. *SIAM Journal on Mathematical Analysis*, 53(1):1122–1167, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Forkert:2022:ECE

[FMP22] Dominik Forkert, Jan Maas, and Lorenzo Portinale. Evolutionary Γ-convergence of entropic gradient flow structures for Fokker–Planck equations in multiple dimensions. *SIAM Journal on Mathematical Analysis*, 54(4):4297–4333, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1410968.

Friesecke:2021:BHK

[FMS21] Gero Friesecke, Daniel Matthes, and Bernhard Schmitzer.

Barycenters for the Hellinger–Kantorovich distance over $\mathbf{R}^d$. *SIAM Journal on Mathematical Analysis*, 53(1):62–110, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fitzgibbon:2021:RDA

[FMTY21] William E. Fitzgibbon, Jeffrey J. Morgan, Bao Q. Tang, and Hong-Ming Yin. Reaction-diffusion-advection systems with discontinuous diffusion and mass control. *SIAM Journal on Mathematical Analysis*, 53(6):6771–6803, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fall:2023:EPN

[FMW23] Mouhamed Moustapha Fall, Ignace Aristide Minlend, and Tobias Weth. On an electrostatic problem and a new class of exceptional subdomains of R3. *SIAM Journal on Mathematical Analysis*, 55(3):2347–2376, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1487540`.

Fjordholm:2024:VVL

[FMW24] Ulrik Skre Fjordholm, Siddhartha Mishra, and Franziska Weber. On the vanishing viscosity limit of statistical solutions of the incompressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 56(4):5099–5143, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1566261`.

Fornerod:2023:WLT

[FN23] Jean Fornerod and Hoai-Minh Nguyen. The Weyl law of transmission eigenvalues and the completeness of generalized transmission eigenfunctions without complementing conditions. *SIAM Journal on Mathematical Analysis*, 55(4):3959–3999, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1486157`.

Flandoli:2020:UAD

[FOS20] Franco Flandoli, Christian Olivera, and Marielle Simon. Uniform approximation of 2 dimensional Navier–Stokes equation by stochastic interacting particle systems. *SIAM Journal on Mathematical Analysis*, 52(6):5339–5362, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Foss:2021:TGS

[Fos21] Mikil Foss. Traces on general sets in R^n for functions with no differentiability requirements. *SIAM Journal on Mathematical Analysis*, 53(4):4212–4251,

???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Freistuhler:2020:DBV

[FP20] Heinrich Freistühler and Valentin Pellhammer. Dependence on the background viscosity of solutions to a prototypical Non-Strictly hyperbolic system of conservation laws. *SIAM Journal on Mathematical Analysis*, 52(6):5658–5674, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fournier:2021:NTD

[FP21] Nicolas Fournier and Benoît Perthame. A nonexpanding transport distance for some structured equations. *SIAM Journal on Mathematical Analysis*, 53(6):6847–6872, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fang:2022:NTW

[FP22] Jian Fang and Yingli Pan. NonMonotonicity of traveling wave profiles for a unimodal recursive system. *SIAM Journal on Mathematical Analysis*, 54(2):1669–1694, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M139236X`.

Faye:2023:EAS

[FR23] Grégory Faye and Luis Miguel Rodrigues. Exponential asymptotic stability of Riemann shocks of hyperbolic systems of balance laws. *SIAM Journal on Mathematical Analysis*, 55(6):6425–6456, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Feliciangeli:2020:UNM

[FS20] Dario Feliciangeli and Robert Seiringer. Uniqueness and NonDegeneracy of minimizers of the Pekar functional on a ball. *SIAM Journal on Mathematical Analysis*, 52(1):605–622, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fonte:2022:LTB

[FS22] Claudia Fonte and Valentin Schmutz. Long time behavior of an age- and leaky memory-structured neuronal population equation. *SIAM Journal on Mathematical Analysis*, 54(4):4721–4756, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1428571`.

Fefferman:2022:LBQ

[FSW22] Charles Fefferman, Jacob Shapiro, and Michael I. Weinstein. Lower bound on quantum tunneling for strong magnetic fields. *SIAM Journal on Mathematical Analysis*, 54

(1):1105–1130, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1429412`.

Fritz:2024:ADP

[FSW24] Marvin Fritz, Endre Süli, and Barbara Wohlmuth. Analysis of a dilute polymer model with a time-fractional derivative. *SIAM Journal on Mathematical Analysis*, 56(2):2063–2089, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Fan:2024:DPN

[FSZ24] Chenjie Fan, Gigliola Staffilani, and Zehua Zhao. On decaying properties of nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 56(3):3082–3109, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Fuest:2020:GSN

[Fue20] Mario Fuest. Global solutions near homogeneous steady states in a multidimensional population model with both predator- and prey-taxis. *SIAM Journal on Mathematical Analysis*, 52(6):5865–5891, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Franz:2021:ICR

[FW21] Tino Franz and Holger Wendland. An improved convergence result for the smoothed particle hydrodynamics method. *SIAM Journal on Mathematical Analysis*, 53(2):1239–1262, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fan:2021:WZT

[FX21] Chenjie Fan and Weijun Xu. A Wong–Zakai theorem for the stochastic mass-critical nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 53(3):3681–3715, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Fang:2020:PSN

[FXX20] Beixiang Fang, Wei Xiang, and Feng Xiao. Persistence of the steady normal shock structure for the unsteady potential flow. *SIAM Journal on Mathematical Analysis*, 52(6):6033–6104, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Feng:2021:ESM

[FZ21] Chunrong Feng and Huaizhong Zhao. Ergodicity of sublinear Markovian semigroups. *SIAM Journal on Mathematical Analysis*, 53(5):5646–5681, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gallenmuller:2023:MVL

[Gal23] Dennis Gallenmüller. Measure-valued low Mach number limits of ideal fluids. *SIAM Journal on Mathematical Analysis*,

55(2):1145–1169, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1467596.

Gao:2021:APC

[Gao21] Peng Gao. Averaging principle for complex Ginzburg–Landau equation perturbated by mixing random forces. *SIAM Journal on Mathematical Analysis*, 53(1):32–61, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Garenaux:2024:NCS

[Gar24] Louis Garénaux. Nonlinear convective stability of a critical pulled front undergoing a Turing bifurcation at its back: A case study. *SIAM Journal on Mathematical Analysis*, 56(3):3275–3325, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Gassot:2023:LEZ

[Gas23] Louise Gassot. Lax eigenvalues in the zero-dispersion limit for the Benjamin–Ono equation on the torus. *SIAM Journal on Mathematical Analysis*, 55(5):5782–5822, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M154635X.

Granero-Belinchon:2020:AMF

[GBS20] Rafael Granero-Belinchón and Stefano Scrobogna. On an asymptotic model for free boundary Darcy flow in porous media. *SIAM Journal on Mathematical Analysis*, 52(5):4937–4970, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Geredeli:2021:BSW

[Ger21] Pelin G. Geredeli. Bounded semigroup wellposedness for a linearized compressible flow structure PDE interaction with material derivative. *SIAM Journal on Mathematical Analysis*, 53(2):1711–1744, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gervais:2023:CBN

[Ger23] Pierre Gervais. On the convergence from Boltzmann to Navier–Stokes–Fourier for general initial data. *SIAM Journal on Mathematical Analysis*, 55(2):805–848, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1471687.

Gerard:2020:DSE

[GG20] Patrick Gérard and Sandrine Grellier. On a damped Szegő equation (with an appendix in collaboration with Christian Klein). *SIAM Journal on Mathematical Analysis*, 52(5):4391–4420, ???? 2020. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Galeati:2023:MGR

[GG23] Lucio Galeati and Massimiliano Gubinelli. Mixing for generic rough shear flows. *SIAM Journal on Mathematical Analysis*, 55(6):7240–7272, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Ghisi:2024:AGE

[GG24] Marina Ghisi and Massimo Gobbino. Almost global existence for Kirchhoff equations around global solutions. *SIAM Journal on Mathematical Analysis*, 56(2):1936–1958, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Gong:2021:CMT

[GH21a] Yishu Gong and Siming He. On the 8π-critical-mass threshold of a Patlak–Keller–Segel–Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 53(3):2925–2956, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grabovsky:2021:FEC

[GH21b] Yury Grabovsky and Narek Hovsepyan. On the feasibility of extrapolation of the complex electromagnetic permittivity function using Kramers–Kronig relations. *SIAM Journal on Mathematical Analysis*, 53(6):6993–7023, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Garde:2024:LCP

[GH24] Henrik Garde and Nuutti Hyvönen. Linearized Calderón problem: Reconstruction and Lipschitz stability for infinite-dimensional spaces of unbounded perturbations. *SIAM Journal on Mathematical Analysis*, 56(3):3588–3604, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Garde:2020:RLF

[GHK20] Henrik Garde, Nuutti Hyvönen, and Topi Kuutela. On regularity of the logarithmic forward map of electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 52 (1):197–220, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gan:2022:DLC

[GHL22] Zaihui Gan, Xianpeng Hu, and Fanghua Lin. Defects in liquid crystal flows. *SIAM Journal on Mathematical Analysis*, 54(2):1695–1717, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1396010`.

Ghattassi:2022:DLR

[GHM22] Mohamed Ghattassi, Xiaokai Huo, and Nader Masmoudi. On the diffusive limits of radiative heat transfer system I: Well-prepared initial and boundary conditions. *SIAM Journal on Mathematical Analysis*, 54(5):5335–5387, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1455267`.

Garcia:2023:TPD

[GHM23] Claudia García, Taoufik Hmidi, and Joan Mateu. Time periodic doubly connected solutions for the 3D quasi-geostrophic model. *SIAM Journal on Mathematical Analysis*, 55(6):6133–6193, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Ginster:2024:SIL

[GHPZ24] Janusz Ginster, Gurgen Hayrapetyan, Anastasija Pešić, and Barbara Zwicknagl. A sharp interface limit of a nonlocal variational model for pattern formation in biomembranes. *SIAM Journal on Mathematical Analysis*, 56(3):2818–2862, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Geng:2021:CGB

[GHW21] Shifeng Geng, Feimin Huang, and Xiaochun Wu. L^1-convergence to generalized Barenblatt solution for compressible Euler equations with time-dependent damping. *SIAM Journal on Mathematical Analysis*, 53(5):6048–6072, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gibson:2024:ESS

[Gib24] Peter C. Gibson. Explicit solution of the 1D Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 56(4):4466–4493, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1514441`.

Ginsberg:2021:BSI

[Gin21] Daniel Ginsberg. On the breakdown of solutions to the incompressible Euler equations with free surface boundary. *SIAM Journal on Mathematical Analysis*, 53(3):3366–3384, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gorbachev:2020:UPE

[GIT20] Dmitry Gorbachev, Valerii Ivanov, and Sergey Tikhonov. Uncertainty principles for eventually constant sign bandlimited functions. *SIAM Journal on Mathematical Analysis*, 52(5):4751–4782, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ghoshal:2021:NRE

[GJ21] Shyam Sundar Ghoshal and Animesh Jana. Nonexistence of the *BV* regularizing effect for scalar conservation laws in several space dimensions for C^2 fluxes. *SIAM Journal on Mathematical Analysis*, 53(2): 1908–1943, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Garcke:2020:WSC

[GK20] Harald Garcke and Patrik Knopf. Weak solutions of the Cahn–Hilliard system with dynamic boundary conditions: a gradient flow approach. *SIAM Journal on Mathematical Analysis*, 52(1):340–369, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gavioli:2021:VPM

[GK21a] Chiara Gavioli and Pavel Krejcí. On a viscoelasto-plastic porous medium problem with nonlinear interaction. *SIAM Journal on Mathematical Analysis*, 53(1):1191–1213, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gong:2021:WMV

[GK21b] Xiaoqian Gong and Matthias Kawski. Weak measure-valued solutions of a nonlinear hyperbolic conservation law. *SIAM Journal on Mathematical Analysis*, 53(4):4417–4444, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gebhard:2022:BTD

[GK22] Björn Gebhard and József J. Kolumbán. On bounded two-dimensional globally dissipative Euler flows. *SIAM Journal on Mathematical Analysis*, 54(3):3457–3479, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1454675`.

Gu:2023:FWN

[GK23] Yu Gu and Tomasz Komorowski. Fluctuations of the winding number of a directed polymer on a cylinder. *SIAM Journal on Mathematical Analysis*, 55(4):3262–3286, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1512508`.

Giletti:2022:TSN

[GKK22] Thomas Giletti, Ho-Youn Kim, and Yong-Jung Kim. Terrace solutions for non-Lipschitz multistable nonlinearities. *SIAM Journal on Mathematical Analysis*, 54 (4):4785–4805, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1445430`.

Ghoussoub:2021:HCP

[GKLP21] Nassif Ghoussoub, Young-Heon Kim, Hugo Lavenant, and Aaron Zeff Palmer. Hidden convexity in a problem of nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 53 (1):1070–1087, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gladbach:2020:SLD

[GKM20] Peter Gladbach, Eva Kopfer, and Jan Maas. Scaling limits of discrete optimal transport. *SIAM Journal on Mathematical Analysis*, 52(3):2759–2802, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gu:2020:FNS

[GL20] Yu Gu and Jiawei Li. Fluctuations of a nonlinear stochastic heat equation in dimensions three and higher. *SIAM Journal on Mathematical Analysis*, 52(6):5422–5440, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Giri:2021:ENC

[GL21] Ankik Kumar Giri and Philippe Laurençot. Existence and NonExistence for the collision-induced breakage equation. *SIAM Journal on Mathematical Analysis*, 53(4):4605–4636, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gao:2023:SPW

[GL23a] Yuan Gao and Jian-Guo Liu. A selection principle for weak KAM solutions via Freidlin–Wentzell large deviation principle of invariant measures. *SIAM Journal on Mathematical Analysis*, 55(6):6457–6495, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Girodroux-Lavigne:2023:DER

[GL23b] Alexandre Girodroux-Lavigne. Derivation of an effective rheology for dilute suspensions of microswimmers. *SIAM Journal on Mathematical Analysis*, 55(6):6305–6341, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Grohs:2023:NUT

[GL23c] Philipp Grohs and Lukas Liehr. Non-uniqueness theory in sampled STFT phase retrieval. *SIAM Journal on Mathematical Analysis*, 55 (5):4695–4726, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1510224`.

Gaidashev:2024:REF

[GL24a] Denis Gaidashev and Alejandro Luque. Renormalization and existence of finite-time blow-up solutions for a one-dimensional analogue of the Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 56(4):4356–4374,

???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1551481`.

Goudey:2024:LEH

[GL24b] Rémi Goudey and Claude Le Bris. Linear elliptic homogenization for a class of highly oscillating nonperiodic potentials. *SIAM Journal on Mathematical Analysis*, 56(2):2738–2782, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Geng:2020:ABS

[GLM20] Shifeng Geng, Yanping Lin, and Ming Mei. Asymptotic behavior of solutions to Euler equations with time-dependent damping in critical case. *SIAM Journal on Mathematical Analysis*, 52(2):1463–1488, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2023:EAB

[GLP23] Yujin Guo, Yong Luo, and Shuangjie Peng. Existence and asymptotic behavior of ground states for rotating Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 55(2):773–804, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1474680`.

Giorgini:2022:ESS

[GLRS22] Andrea Giorgini, Kei Fong Lam, Elisabetta Rocca, and Giulio Schimperna. On the existence of strong solutions to the Cahn–Hilliard–Darcy system with mass source. *SIAM Journal on Mathematical Analysis*, 54(1):737–767, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1376443`.

Galkowski:2023:PML

[GLS23] Jeffrey Galkowski, David Lafontaine, and Euan Spence. Perfectly-matched-layer truncation is exponentially accurate at high frequency. *SIAM Journal on Mathematical Analysis*, 55(4):3344–3394, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1443716`.

Galkowski:2023:DHF

[GLSW23] J. Galkowski, D. Lafontaine, E. A. Spence, and J. Wunsch. Decompositions of high-frequency Helmholtz solutions via functional calculus, and application to the finite element method. *SIAM Journal on Mathematical Analysis*, 55(4):3903–3958, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https:`

//epubs.siam.org/doi/10.1137/21M1409160.

Gao:2022:RSC

[GLW22] Yu Gao, Hao Liu, and Tak Kwong Wong. Regularity structure of conservative solutions to the Hunter–Saxton equation. *SIAM Journal on Mathematical Analysis*, 54(1):423–452, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1427590.

Gao:2023:ABC

[GLW23] Yu Gao, Hao Liu, and Tak Kwong Wong. Asymptotic behavior of conservative solutions to the Hunter–Saxton equation. *SIAM Journal on Mathematical Analysis*, 55(5):5483–5525, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1540491.

Gao:2020:STS

[GLY20] Junlei Gao, Li Liu, and Hairong Yuan. On stability of transonic shocks for stationary Rayleigh flows in two-dimensional ducts. *SIAM Journal on Mathematical Analysis*, 52(5):5287–5337, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Garavello:2020:GWS

[GM20a] Mauro Garavello and Francesca Marcellini. Global weak solutions to the Cauchy problem for a two-phase model at a node. *SIAM Journal on Mathematical Analysis*, 52(2):1567–1590, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grava:2020:LTA

[GM20b] Tamara Grava and Alexander Minakov. On the long-time asymptotic behavior of the modified Korteweg–de Vries equation with step-like initial data. *SIAM Journal on Mathematical Analysis*, 52(6):5892–5993, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gallouet:2022:CLD

[GMN22] Thomas O. Gallouët, Quentin Mérigot, and Andrea Natale. Convergence of a Lagrangian discretization for barotropic fluids and porous media flow. *SIAM Journal on Mathematical Analysis*, 54(3):2990–3018, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1422756.

Galkowski:2021:ETH

[GMS21a] Jeffrey Galkowski, Pierre Marchand, and Euan A. Spence. Eigenvalues of the truncated Helmholtz solution operator under strong trapping. *SIAM Journal on Mathematical Analysis*, 53(6):6724–6770, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gangbo:2021:FDA

[GMŚ21b] Wilfrid Gangbo, Sergio Mayorga, and Andrzej Świech. Finite dimensional approximations of Hamilton–Jacobi–Bellman equations in spaces of probability measures. *SIAM Journal on Mathematical Analysis*, 53(2):1320–1356, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Garroni:2021:DLT

[GMS21c] Adriana Garroni, Roberta Marziani, and Riccardo Scala. Derivation of a line-tension model for dislocations from a nonlinear three-dimensional energy: The case of quadratic growth. *SIAM Journal on Mathematical Analysis*, 53(4): 4252–4302, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gaczkowski:2023:MSC

[GMS23] Michał Gaczkowski, Jarosław Mederski, and Jacopo Schino. Multiple solutions to cylindrically symmetric curl–curl problems and related Schrödinger equations with singular potentials. *SIAM Journal on Mathematical Analysis*, 55 (5):4425–4444, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1494786`.

Goodwill:2023:IFL

[GN23] Tristan Goodwill and Michael O. Neil. An interface formulation of the Laplace–Beltrami problem on piecewise smooth surfaces. *SIAM Journal on Mathematical Analysis*, 55(6):7575–7615, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Gaal:2020:MEP

[GNNCR20] Marcell Gaál, Béla Nagy, Zsuzsanna Nagy-Csiha, and Szilárd Gy. Révész. Minimal energy point systems on the unit circle and the real line. *SIAM Journal on Mathematical Analysis*, 52(6):6281–6296, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Grenier:2022:PEN

[GNR22] Emmanuel Grenier, Toan T. Nguyen, and Igor Rodnianski. Plasma echoes near stable Penrose data. *SIAM Journal on Mathematical Analysis*, 54(1):940–953, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1392553`.

Golding:2023:URT

[Gol23] William Golding. Unconditional regularity and trace results for the isentropic Euler equations with $\gamma = 3$. *SIAM Journal on Mathematical Analysis*, 55(5):5751–5781, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1554667`.

Griso:2020:ABT

[GOW20] Georges Griso, Julia Orlik, and Stephan Wackerle. Asymptotic behavior for textiles. *SIAM Journal on Mathematical Analysis*, 52(2):1639–1689, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gobbino:2024:MPL

[GP24] Massimo Gobbino and Nicola Picenni. Monotonicity properties of limits of solutions to the semidiscrete scheme for a class of Perona–Malik type equations. *SIAM Journal on Mathematical Analysis*, 56(2):2034–2062, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Gao:2023:ASD

[GR23] Yuan Gao and Jean-Michel Roquejoffre. Asymptotic stability for diffusion with dynamic boundary reaction from Ginzburg–Landau energy. *SIAM Journal on Mathematical Analysis*, 55(2):1246–1263, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1469791`.

Gell-Redman:2020:EAN

[GRHSZ20] Jesse Gell-Redman, Andrew Hassell, Jacob Shapiro, and Junyong Zhang. Existence and asymptotics of nonlinear Helmholtz eigenfunctions. *SIAM Journal on Mathematical Analysis*, 52(6):6180–6221, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Golab:2023:TDH

[GRR23] Adam J. Golab, James C. Robinson, and Jose L. Rodrigo. On two-dimensional harmonic extensions of vector fields and stellarator coils. *SIAM Journal on Mathematical Analysis*, 55(5):4880–4911, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1458661`.

Geng:2024:GEW

[GRZ24] Zhiyuan Geng, Arnab Roy, and Arghir Zarnescu. Global existence of weak solutions for a model of nematic liquid crystal-colloidal interactions. *SIAM Journal on Mathematical Analysis*, 56(4):4324–4355, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M161149X`.

Grasselli:2023:PFM

[GSS23] Maurizio Grasselli, Luca Scarpa, and Andrea Signori. On a phase field model for RNA-Protein dynamics. *SIAM Journal on Mathematical Analysis*, 55(1):405–457, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1483086`.

Giunti:2021:ESM

[GV21] Arianna Giunti and Juan J. López Velázquez. Edge states for the magnetic Laplacian in domains with smooth boundary. *SIAM Journal on Mathematical Analysis*, 53(3): 3602–3643, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Garde:2024:RCC

[GV24] Henrik Garde and Michael Vogelius. Reconstruction of cracks in Calderón's inverse conductivity problem using energy comparisons. *SIAM Journal on Mathematical Analysis*, 56(1):727–745, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Guo:2021:GSS

[GWX21] Zhengguang Guo, Yun Wang, and Chunjing Xie. Global strong solutions to the inhomogeneous incompressible Navier–Stokes system in the exterior of a cylinder. *SIAM Journal on Mathematical Analysis*, 53(6):6804–6821, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gong:2021:PRS

[GWZ21] Huajun Gong, Changyou Wang, and Xiaotao Zhang. Partial regularity of suitable weak solutions of the Navier–Stokes–Planck–Nernst–Poisson equation. *SIAM Journal on Mathematical Analysis*, 53(3): 3306–3337, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2024:MNS

[GY24] Yuxia Guo and Yuanyang Yu. Multiple normalized solutions for first order Hamiltonian systems. *SIAM Journal on Mathematical Analysis*, 56(3):3861–3885, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1584575`.

Geng:2020:OIP

[GZ20a] Jun Geng and Jinping Zhuge. Oscillatory integrals and periodic homogenization of Robin boundary value problems. *SIAM Journal on Mathematical Analysis*, 52(1):104–134, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gladkov:2020:ESM

[GZ20b] Nikita A. Gladkov and Alexander P. Zimin. An explicit solution for a multimarginal mass transportation problem. *SIAM Journal on Mathematical Analysis*, 52(4):3666–3696, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Gui:2022:SLG

[GZ22] Guilong Gui and Ping Zhang. Semiclassical limit of Gross–Pitaevskii equation with Dirichlet boundary condition. *SIAM Journal on Mathematical Analysis*, 54(1):1053–1104, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1369749`.

Gong:2021:GSS

[GZW21] Weihua Gong, Fujun Zhou, and Weijun Wu. Global strong solution and incompressible Navier–Stokes–Fourier–Poisson limit of the Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 53(6):6424–6470, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Guo:2022:TWP

[GZZ22] Haimo Guo, Meirong Zhang, and Yi Zhu. ThreeFold Weyl points for the Schrödinger operator with periodic potentials. *SIAM Journal on Mathematical Analysis*, 54(3):3654–3695, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1410464`.

Halla:2022:TED

[Hal22] Martin Halla. On the treatment of exterior domains for the time-harmonic equations of stellar oscillations. *SIAM Journal on Mathematical Analysis*, 54(5):5268–5290, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1418812`.

Halla:2023:ESM

[Hal23] Martin Halla. On the existence and stability of modified Maxwell Steklov eigenvalues. *SIAM Journal on Mathematical Analysis*, 55(5):5445–5463, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1509266`.

Han:2020:SPV

[Han20] Weimin Han. Singular perturbations of variational-hemivariational inequalities. *SIAM Journal on Mathematical Analysis*, 52(2):1549–1566, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Harutyunyan:2020:SKI

[Har20] Davit Harutyunyan. The sharp L^p Korn interpolation and second inequalities in thin domains. *SIAM Journal on Mathematical Analysis*, 52(6): 5775–5791, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Harrach:2023:CPF

[Har23] Bastian Harrach. The Calderón problem with finitely many unknowns is equivalent to convex semidefinite optimization. *SIAM Journal on Mathematical Analysis*, 55(5):5666–5684, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1544854`.

Hartman:2024:SRN

[HBK24] Emmanuel Hartman, Martin Bauer, and Eric Klassen. Square root normal fields for Lipschitz surfaces and the Wasserstein Fisher Rao metric. *SIAM Journal on Mathematical Analysis*, 56(2):2171–2190, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Hu:2021:SSS

[HC21] Yanbo Hu and Jianjun Chen. Sonic-supersonic solutions to a mixed-type boundary value problem for the two-dimensional full Euler equations. *SIAM Journal on Mathematical Analysis*, 53(2):1579–1629, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Haas:2020:MEN

[HdRS20] Tobias Haas, Björn de Rijk, and Guido Schneider. Modulation equations near the Eckhaus boundary: The KdV equation. *SIAM Journal on Mathematical Analysis*, 52(6): 5389–5421, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

He:2023:EDB

[He23] Siming He. Enhanced dissipation and blow-up suppression in a chemotaxis-fluid system. *SIAM Journal on Mathematical Analysis*, 55(4):2615–2643, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1517159`.

Heihoff:2023:TNF

[Hei23] Frederic Heihoff. Two new functional inequalities and their application to the eventual smoothness of solutions to a chemotaxis-Navier–Stokes system with rotational flux. *SIAM Journal on Mathematical Analysis*, 55(6):7113–7154, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Hamster:2020:STW

[HH20] C. H. S. Hamster and H. J. Hupkes. Stability of traveling waves for systems of reaction-diffusion equations with multiplicative noise. *SIAM Journal on Mathematical Analysis*, 52 (2):1386–1426, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Halla:2021:WPD

[HH21] Martin Halla and Thorsten Hohage. On the well-posedness of the damped time-harmonic Galbrun equation and the equations of stellar oscillations. *SIAM Journal on Mathematical Analysis*, 53(4):4068–4095, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hamamuki:2023:DAL

[HH23] Nao Hamamuki and Kazuya Hirose. A dynamical approach to lower gradient estimates for viscosity solutions of Hamilton–Jacobi equations. *SIAM Journal on Mathematical Analysis*, 55(4):3169–3204, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1480483`.

Huang:2024:ICL

[HH24] Yichen Huang and Aram W. Harrow. Improved concentration of Laguerre and Jacobi ensembles. *SIAM Journal on Mathematical Analysis*, 56(1): 554–567, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Hieber:2023:GSW

[HHS23] Matthias Hieber, Amru Hussein, and Martin Saal. Global strong well-posedness of the stochastic bidomain equations with FitzHugh–Nagumo transport. *SIAM Journal on Mathematical Analysis*, 55 (4):4140–4161, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1478008`.

Hittmeir:2011:CDP

[HJ11] Sabine Hittmeir and Ansgar Jüngel. Cross diffusion preventing blow-up in the two-dimensional Keller–Segel model. *SIAM Journal on Mathematical Analysis*, 43(2): 997–1022, ???? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p997_s1`. See corrigendum [BCJ20].

Hong:2024:UOS

[HJ24] Younghun Hong and Sangdon Jin. Uniqueness and orbital stability of standing waves for the nonlinear Schrödinger equation with a partial confinement. *SIAM Journal on Mathematical Analysis*, 56(2):2714–2737, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Ha:2020:LSA

[HJJ20] Seung-Yeal Ha, Shi Jin, and Jinwook Jung. Local sensitivity analysis for the Kuramoto–Daido model with random inputs in a large coupling regime. *SIAM Journal on Mathematical Analysis*, 52(2):2000–2040, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huang:2021:SDG

[HJLZ21] Jiaxi Huang, Ning Jiang, Yi-Long Luo, and Lifeng Zhao. Small data global regularity for the 3-D Ericksen–Leslie hyperbolic liquid crystal model without kinematic transport. *SIAM Journal on Mathematical Analysis*, 53(1):530–573, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huo:2022:WSU

[HJT22] Xiaokai Huo, Ansgar Jüngel, and Athanasios E. Tzavaras. Weak-strong uniqueness for Maxwell–Stefan systems. *SIAM Journal on Mathematical Analysis*, 54(3):3215–3252, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M145210X`.

Hu:2023:GWP

[HK23] Kai Hu and Jie Kuang. Global well-posedness of shock front solutions to one-dimensional piston problem for combustion Euler flows. *SIAM Journal on Mathematical Analysis*, 55(3):2042–2110, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1493586`.

Han:2023:LTB

[HKK23] Sungho Han, Moon-Jin Kang, and Jeongho Kim. Large-time behavior of composite waves of viscous shocks for the barotropic Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 55 (5):5526–5574, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1520712`.

Hasik:2024:BWD

[HKlT24a] Karel Hasík, Jana Kopfová, Petra Náb lková, and Sergei Trofimchuk. Bistable wavefronts in the delayed Belousov–Zhabotinsky reaction. *SIAM Journal on Mathematical Analysis*, 56(1):1197–1222, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Hellmuth:2024:KCT

[HKLT24b] Kathrin Hellmuth, Christian Klingenberg, Qin Li, and Min Tang. Kinetic chemotaxis tumbling kernel determined from macroscopic quantities. *SIAM Journal on Mathematical Analysis*, 56(1):568–587, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Hiltunen:2024:NPD

[HKSW24] Erik Orvehed Hiltunen, Joseph Kraisler, John C. Schotland, and Michael I. Weinstein. Nonlocal partial differential equations and quantum optics: Bound states and resonances. *SIAM Journal on Mathematical Analysis*, 56(3):3802–3831, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M158142X.

Han:2023:CSP

[HKY23] Beom-Seok Han, Kunwoo Kim, and Jaeyun Yi. The compact support property for solutions to the stochastic partial differential equations with colored noise. *SIAM Journal on Mathematical Analysis*, 55(6):7665–7703, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Harrach:2020:MBI

[HL20a] Bastian Harrach and Yi-Hsuan Lin. Monotonicity-based inversion of the fractional Schödinger equation II. General potentials and stability. *SIAM Journal on Mathematical Analysis*, 52(1):402–436, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hu:2020:ISP

[HL20b] Guanghui Hu and Jingzhi Li. Inverse source problems in an inhomogeneous medium with a single far-field pattern. *SIAM Journal on Mathematical Analysis*, 52(5):5213–5231, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hitruhin:2021:LCH

[HL21] Lauri Hitruhin and Sauli Lindberg. Lamination convex hull of stationary incompressible porous media equations. *SIAM Journal on Mathematical Analysis*, 53(1):491–508, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Huang:2022:GWP

[HL22a] Xiangdi Huang and Jing Li. Global well-posedness of classical solutions to the Cauchy problem of two-dimensional barotropic compressible Navier–Stokes system with vacuum and large initial data. *SIAM Journal on Mathematical Analysis*, 54(3):3192–3214, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1440943.

Huicheng:2022:FCM

[HL22b] Yin Huicheng and Zhu Lu. Formation and construction of a multidimensional shock wave for the first-order hyperbolic conservation law with smooth initial data. *SIAM Journal* *on Mathematical Analysis*, 54 (2):2587–2610, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1406581`.

Hao:2023:IVC

[HL23a] Tiantian Hao and Yanlin Liu. The influence of viscous coefficients on the lifespan of 3-D anisotropic Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 55 (3):2186–2210, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1461459`.

Hensel:2023:SIL

[HL23b] Sebastian Hensel and Yuning Liu. The sharp interface limit of a Navier-Stokes/Allen–Cahn system with constant mobility: Convergence rates by a relative energy approach. *SIAM Journal on Mathematical Analysis*, 55(5):4751–4787, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1500587`.

Hong:2021:FWT

[HLL21] Wei Hong, Shihu Li, and Wei Liu. Freidlin–Wentzell type large deviation principle for multiscale locally monotone SPDEs. *SIAM Journal on Mathematical Analysis*, 53(6): 6517–6561, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

He:2023:VPB

[HLlZ23] Ling-Bing He, Yuanjie Lei, and Yu long Zhou. From the Vlasov–Poisson–Boltzmann system to the Vlasov–Poisson–Landau system with Coulomb potential. *SIAM Journal on Mathematical Analysis*, 55(2):701–772, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1515963`.

Hajaiej:2024:ESR

[HLS24] Hichem Hajaiej, Yongming Luo, and Lingjie Song. On existence and stability results for normalized ground states of mass-subcritical biharmonic nonlinear Schrödinger equation on $\mathbf{R}^d \times \mathbf{T}^n$. *SIAM Journal on Mathematical Analysis*, 56(4):4415–4439, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1543707`.

Hilhorst:2020:GIS

[HMNW20] Danielle Hilhorst, Hiroshi Matano, Thanh Nam Nguyen, and Hendrik Weber. Generation of interface for solutions of the mass conserved Allen–Cahn equation. *SIAM Journal* *on Mathematical Analysis*, 52 (3):2624–2654, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

He:2024:ARS

[HMS24] Yanchen He, Carlo Marcati, and Christoph Schwab. Analytic regularity of solutions to the Navier–Stokes equations with mixed boundary conditions in polygons. *SIAM Journal on Mathematical Analysis*, 56(2):2488–2520, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Hening:2023:RSE

[HNNW23] Alexandru Hening, Dang H. Nguyen, Nhu Nguyen, and Harrison Watts. Random switching in an ecosystem with two prey and one predator. *SIAM Journal on Mathematical Analysis*, 55(1):347–366, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1459836`.

Hartmann:2020:CGN

[HNS20] Carsten Hartmann, Lara Neureither, and Upanshu Sharma. Coarse graining of nonreversible stochastic differential equations: Quantitative results and connections to averaging. *SIAM Journal on Mathematical Analysis*, 52(3): 2689–2733, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hogancamp:2021:BGF

[Hog21] Thomas Hogancamp. Broadening global families of anti-plane shear equilibria. *SIAM Journal on Mathematical Analysis*, 53 (5):5853–5879, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Holle:2022:EDJ

[Hol22] Yannick Holle. Entropy dissipation at the junction for macroscopic traffic flow models. *SIAM Journal on Mathematical Analysis*, 54 (1):954–985, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1423920`.

Heinze:2023:NCI

[HPS23] Georg Heinze, Jan-Frederik Pietschmann, and Markus Schmidtchen. Nonlocal cross-interaction systems on graphs: Nonquadratic Finslerian structure and nonlinear mobilities. *SIAM Journal on Mathematical Analysis*, 55(6):7039–7076, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Hoang:2020:SSN

[HR20] Vu Hoang and Maria Radosz. Singular solutions for nonlocal systems of evolution equations with vorticity stretching.

SIAM Journal on Mathematical Analysis, 52(2):2158–2178, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hsu:2021:ROE

[HR21] Ting-Hao Hsu and Shigui Ruan. Relaxation oscillations and the entry-exit function in multidimensional slow-fast systems. *SIAM Journal on Mathematical Analysis*, 53(4):3717–3758, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hu:2023:GEV

[HR23] Yuxi Hu and Reinhard Racke. Global existence versus blow-up for multidimensional hyperbolized compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 55(5):4788–4815, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1497468`.

Hwang:2022:RBM

[HRY22] Byung-Hoon Hwang, Tommaso Ruggeri, and Seok-Bae Yun. On a relativistic BGK model for polyatomic gases near equilibrium. *SIAM Journal on Mathematical Analysis*, 54(3):2906–2947, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1404946`.

Hao:2024:SCP

[HRZ24] Zimo Hao, Michael Röckner, and Xicheng Zhang. Strong convergence of propagation of chaos for McKean–Vlasov SDEs with singular interactions. *SIAM Journal on Mathematical Analysis*, 56(2):2661–2713, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Hosseinkhan:2023:SDB

[HS23] Alireza Hosseinkhan and Ralph E. Showalter. Semilinear degenerate Biot–Signorini system. *SIAM Journal on Mathematical Analysis*, 55(5):5643–5665, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1505335`.

Hilder:2024:QCG

[HS24] Bastian Hilder and Upanshu Sharma. Quantitative coarse-graining of Markov chains. *SIAM Journal on Mathematical Analysis*, 56(1):913–954, January 2024. CODEN SJMAAH. ISSN 1095-7154.

He:2024:LSK

[HSSY24] Xiaolong He, Jia Shi, Yunfeng Shi, and Xiaoping Yuan. On linear stability of KAM tori via the Craig–Wayne–Bourgain method. *SIAM Journal on Mathematical Analysis*, 56(3):3605–3645, May 2024.

CODEN SJMAAH. ISSN 1095-7154.

Hsiao:2020:TDB

[HSV20] George C. Hsiao and Tonatiuh Sánchez-Vizuet. Time-domain boundary integral methods in linear thermoelasticity. *SIAM Journal on Mathematical Analysis*, 52(3):2463–2490, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hsiao:2021:BIF

[HSV21] George C. Hsiao and Tonatiuh Sánchez-Vizuet. Boundary integral formulations for transient linear thermoelasticity with combined-type boundary conditions. *SIAM Journal on Mathematical Analysis*, 53(4): 3888–3911, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ha:2020:DLP

[HSZ20] Seung-Yeal Ha, Woojoo Shim, and Yinglong Zhang. A diffusion limit for the parabolic Kuramoto–Sakaguchi equation with inertia. *SIAM Journal on Mathematical Analysis*, 52(2): 1591–1638, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hraivoronska:2023:DLR

[HT23] Anastasiia Hraivoronska and Oliver Tse. Diffusive limit of random walks on tessellations via generalized gradient flows. *SIAM Journal on Mathematical Analysis*, 55(4):2948–2995, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1478306`.

Han:2021:SWW

[HTY21] Fangyu Han, Zhong Tan, and Ganshan Yang. Stability of the Walker wall in two dimensions. *SIAM Journal on Mathematical Analysis*, 53(6):7024–7061, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hu:2022:SSP

[Hu22] Yanbo Hu. On a supersonic-sonic patch in the three-dimensional steady axisymmetric transonic flows. *SIAM Journal on Mathematical Analysis*, 54(2):1515–1542, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1393108`.

Huang:2024:ESD

[Hua24] Bingkang Huang. Existence and stability of dissipative measure-valued solutions to the full compressible magnetohydrodynamic flows. *SIAM Journal on Mathematical Analysis*, 56(2):2213–2247, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Hassainia:2022:MVP

[HW22a] Zineb Hassainia and Miles H. Wheeler. Multipole vortex patch equilibria for active scalar equations. *SIAM Journal on Mathematical Analysis*, 54(6):6054–6095, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1415339`.

Henderson:2022:LWP

[HW22b] Christopher Henderson and Weinan Wang. Local well-posedness for the Boltzmann equation with very soft potential and polynomially decaying initial data. *SIAM Journal on Mathematical Analysis*, 54(3):2845–2875, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1427504`.

Huang:2022:BLS

[HW22c] Feimin Huang and Yong Wang. Boundary layer solution of the Boltzmann equation for diffusive reflection boundary conditions in half-space. *SIAM Journal on Mathematical Analysis*, 54(3):3480–3534, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M142945X`.

Holler:2024:ERR

[HW24] Martin Holler and Benedikt Wirth. Exact reconstruction and reconstruction from noisy data with anisotropic total variation. *SIAM Journal on Mathematical Analysis*, 56(3):2938–2967, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Huang:2024:UCW

[HWWW24] Feimin Huang, Weiqiang Wang, Yi Wang, and Yong Wang. Uniqueness of composite wave of shock and rarefaction in the inviscid limit of Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 56(3):3924–3967, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M156584X`.

Huang:2022:PDT

[HWZ22] Mingdi Huang, Shi-Liang Wu, and Xiao-Qiang Zhao. Propagation dynamics for time-periodic and partially degenerate reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 54(2):1860–1897, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1397234`.

He:2022:LSA

[HXH22] Wenhua He, Ruixiang Xing, and Bei Hu. Linear stability analysis for a free boundary problem modeling multilayer tumor growth with time delay. *SIAM Journal on Mathematical Analysis*, 54(4):4238–4276, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1437494`.

Hwang:2021:SSA

[HY21] Byung-Hoon Hwang and Seok-Bae Yun. Stationary solutions to the Anderson–Witting model of the relativistic Boltzmann equation in a bounded interval. *SIAM Journal on Mathematical Analysis*, 53(1): 730–753, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hsieh:2022:ESP

[HY22a] Chia-Yu Hsieh and Yong Yu. Existence of solutions to the Poisson–Nernst–Planck system with singular permanent charges in $\mathbf{R}^2$. *SIAM Journal on Mathematical Analysis*, 54(1):1223–1240, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1399841`.

Huang:2022:CGC

[HY22b] Feimin Huang and Yue Yao. Continued gravitational collapse for gaseous star and pressureless Euler–Poisson system. *SIAM Journal on Mathematical Analysis*, 54(3):3139–3160, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1450902`.

Holmer:2022:BOS

[HZ22a] Justin Holmer and Katherine Zhiyuan Zhang. Benjamin–Ono soliton dynamics in a slowly varying potential revisited. *SIAM Journal on Mathematical Analysis*, 54 (2):2634–2690, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1425177`.

Huang:2022:HOA

[HZ22b] Lin Huang and Lun Zhang. Higher order Airy and Painlevé asymptotics for the mKdV hierarchy. *SIAM Journal on Mathematical Analysis*, 54 (5):5291–5334, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1448008`.

Ishii:2022:NNP

[IK22] Hitoshi Ishii and Taiga Kumagai. Nonlinear Neumann problems for fully nonlinear elliptic PDEs on a quadrant. *SIAM Journal on Mathematical Analysis*, 54(6):5854–5887, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https:`

//epubs.siam.org/doi/10.1137/21M1444199.

Ignat:2020:GUE

[IKL20] Radu Ignat, Matthias Kurzke, and Xavier Lamy. Global uniform estimate for the modulus of two-dimensional Ginzburg–Landau vortexless solutions with asymptotically infinite boundary energy. *SIAM Journal on Mathematical Analysis*, 52(1):524–542, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Iglesias:2021:CLS

[IM21a] José A. Iglesias and Gwenael Mercier. Convergence of level sets in total variation denoising through variational curvatures in unbounded domains. *SIAM Journal on Mathematical Analysis*, 53(2):1509–1545, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ilmavirta:2021:XRT

[IM21b] Joonas Ilmavirta and Keijo Mönkkönen. X-ray tomography of one-forms with partial data. *SIAM Journal on Mathematical Analysis*, 53(3):3002–3015, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ishige:2020:BFO

[IMO20] Kazuhiro Ishige, Nobuhito Miyake, and Shinya Okabe. Blowup for a fourth-order parabolic equation with gradient nonlinearity. *SIAM Journal on Mathematical Analysis*, 52(1):927–953, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Imbert:2020:GLB

[IMS20] Cyril Imbert, Clément Mouhot, and Luis Silvestre. Gaussian lower bounds for the Boltzmann equation without cutoff. *SIAM Journal on Mathematical Analysis*, 52(3):2930–2944, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Isaacson:2022:MFL

[IMS22] Samuel A. Isaacson, Jingwei Ma, and Konstantinos Spiliopoulos. Mean field limits of particle-based stochastic reaction-diffusion models. *SIAM Journal on Mathematical Analysis*, 54(1):453–511, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1365600.

Iwaniec:2021:NMP

[IOPR21] Tadeusz Iwaniec, Jani Onninen, Pekka Pankka, and Teresa Radice. A neohookean model of plates. *SIAM Journal on Mathematical Analysis*, 53(1):509–529, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ifrim:2022:NPC

[IPTT22] Mihaela Ifrim, Ben Pineau, Daniel Tataru, and Mitchell Taylor. No pure capillary solitary waves exist in 2D finite depth. *SIAM Journal on Mathematical Analysis*, 54 (4):4452–4464, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1414723`.

Ignatova:2021:GSN

[IS21] Mihaela Ignatova and Jingyang Shu. Global solutions of the Nernst–Planck–Euler equations. *SIAM Journal on Mathematical Analysis*, 53(5):5507–5547, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Iyer:2022:BHT

[IV22] Gautam Iyer and Truong-Son Van. Bounds on the heat transfer rate via passive advection. *SIAM Journal on Mathematical Analysis*, 54(2):1927–1965, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1394497`.

Imanuvilov:2020:CEL

[IY20] Oleg Yu. Imanuvilov and Masahiro Yamamoto. Carleman estimate for linear viscoelasticity equations and an inverse source problem. *SIAM Journal on Mathematical Analysis*, 52(1):718–791, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Iyer:2023:QDE

[IZ23] Gautam Iyer and Hongyi Zhou. Quantifying the dissipation enhancement of cellular flows. *SIAM Journal on Mathematical Analysis*, 55(6):6496–6516, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Jacobs:2023:ESR

[Jac23] Matt Jacobs. Existence of solutions to reaction cross diffusion systems. *SIAM Journal on Mathematical Analysis*, 55(6):6991–7023, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Jia:2020:LID

[Jia20a] Hao Jia. Linear inviscid damping near monotone shear flows. *SIAM Journal on Mathematical Analysis*, 52(1):623–652, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2020:SRE

[Jia20b] Jin-Cheng Jiang. Sharp regularizing estimates for the gain term of the Boltzmann collision operator. *SIAM Journal on Mathematical Analysis*, 52 (4):4068–4100, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jing:2020:UHA

[Jin20] Wenjia Jing. A unified homogenization approach for the Dirichlet problem in perforated domains. *SIAM Journal on Mathematical Analysis*, 52(2): 1192–1220, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2021:NDL

[JJL21] Song Jiang, Qiangchang Ju, and Yongkai Liao. Nonequilibrium-diffusion limit of the compressible Euler–P1 approximation radiation model at low Mach number. *SIAM Journal on Mathematical Analysis*, 53(2): 2491–2522, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiang:2022:GST

[JJZ22] Fei Jiang, Song Jiang, and Youyi Zhao. Global solutions of the three-dimensional incompressible ideal MHD equations with velocity damping in horizontally periodic domains. *SIAM Journal on Mathematical Analysis*, 54(4):4891–4929, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1437974.

Jean:2024:DOC

[JJZ24] Frédéric Jean, Othmane Jerhaoui, and Hasnaa Zidani. Deterministic optimal control on Riemannian manifolds under probability knowledge of the initial condition. *SIAM Journal on Mathematical Analysis*, 56(3):3326–3356, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Jin:2022:DKT

[JK22] Jiaxin Jin and Chanwoo Kim. Damping of kinetic transport equation with diffuse boundary condition. *SIAM Journal on Mathematical Analysis*, 54(5):5524–5550, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1455358.

Jo:2024:NRS

[JKL24] Min Jun Jo, Junha Kim, and Jihoon Lee. Nonconvergence of the rotating stratified flows toward the quasi-geostrophic dynamics. *SIAM Journal on Mathematical Analysis*, 56(3): 3357–3385, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Jin:2021:RST

[JKZ21] Bangti Jin, Yavar Kian, and Zhi Zhou. Reconstruction of a space-time-dependent source in subdiffusion models via a perturbation approach. *SIAM Journal on Mathematical Analysis*, 53(4):4445–4473, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jung:2021:SEL

[JL21] Younghoon Jung and Mikyoung Lim. Series expansions of the layer potential operators using the Faber polynomials and their applications to the transmission problem. *SIAM Journal on Mathematical Analysis*, 53(2):1630–1669, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jiao:2023:DNN

[JLL+23] Yuling Jiao, Yanming Lai, Xiliang Lu, Fengru Wang, Jerry Zhijian Yang, and Yuanyuan Yang. Deep neural networks with ReLU-sine-exponential activations break curse of dimensionality in approximation on Hölder class. *SIAM Journal on Mathematical Analysis*, 55(4):3635–3649, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M144431X`.

Jansen:2023:LTB

[JLN23] Jonas Jansen, Christina Lienstromberg, and Katerina Nik. Long-time behavior and stability for quasilinear doubly degenerate parabolic equations of higher order. *SIAM Journal on Mathematical Analysis*, 55(2):674–700, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1491137`.

Jin:2023:SCS

[JLX23] Kun-Peng Jin, Jin Liang, and Ti-Jun Xiao. Stability for a coupled system of second-order evolution equations with indirect memory-damping. *SIAM Journal on Mathematical Analysis*, 55(6):7155–7188, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Ji:2023:ODR

[JM23] Shanming Ji and Ming Mei. Optimal decay rates of the compressible Euler equations with time-dependent damping in $\mathbf{R}^n$: (II) overdamping case. *SIAM Journal on Mathematical Analysis*, 55(2):1048–1099, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M144476X`.

Jimenez:2023:DSH

[JMQ23] Chloé Jimenez, Antonio Marigonda, and Marc Quincampoix. Dynamical systems and Hamilton–Jacobi–Bellman equations on the Wasserstein space and their L^2 representations. *SIAM Journal on Mathematical Analysis*, 55(5):5919–5966, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1503877`.

Johnson:2020:MIV

[JP20] Mathew A. Johnson and Wesley R. Perkins. Modulational instability of viscous fluid conduit periodic waves. *SIAM Journal on Mathematical Analysis*, 52(1):277–305, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ji:2021:CPP

[JQSY21] Min Ji, Weiwei Qi, Zhongwei Shen, and Yingfei Yi. Convergence to periodic probability solutions in Fokker–Planck equations. *SIAM Journal on Mathematical Analysis*, 53(2): 1958–1992, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jenssen:2020:ODS

[JR20] Helge Kristian Jenssen and Johanna Ridder. One-dimensional scalar conservation laws with regulated data. *SIAM Journal on Mathematical Analysis*, 52(3):3114–3130, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Josien:2021:QHC

[JR21] Marc Josien and Claudia Raithel. Quantitative homogenization for the case of an interface between two heterogeneous media. *SIAM Journal on Mathematical Analysis*, 53 (1):813–854, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Josien:2024:SHG

[JRS24] Marc Josien, Claudia Raithel, and Mathias Schäffner. Stochastic homogenization and geometric singularities: A study on corners. *SIAM Journal on Mathematical Analysis*, 56(2): 2395–2455, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Jang:2023:ERS

[JSW23] Juhi Jang, Walter A. Strauss, and Yilun Wu. Existence of rotating stars with variable entropy. *SIAM Journal on Mathematical Analysis*, 55(4):2704–2739, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1498516.

Jing:2023:EFP

[JTY23] Wenjia Jing, Hung V. Tran, and Yifeng Yu. Effective fronts of polygon shapes in two dimensions. *SIAM Journal on Mathematical Analysis*, 55(6):6764–6777, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Juillet:2020:SMT

[Jui20] Nicolas Juillet. On a solution to the Monge transport problem on the real line arising from the strictly concave case.

SIAM Journal on Mathematical Analysis, 52(5):4783–4805, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Jang:2024:TDB

[JV24] Jin Woo Jang and Juan J. L. Velázquez. On the temperature distribution of a body heated by radiation. *SIAM Journal on Mathematical Analysis*, 56(3): 3478–3508, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Ju:2023:ILI

[JW23] Qiangchang Ju and Jiawei Wang. Incompressible limit of ideal magnetohydrodynamic equations with a perfectly conducting wall condition. *SIAM Journal on Mathematical Analysis*, 55(6):7549–7574, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Jin:2023:GSS

[JWW23] Hai-Yang Jin, Zhi-An Wang, and Leyun Wu. Global solvability and stability of an alarm-taxis system. *SIAM Journal on Mathematical Analysis*, 55(4):2838–2876, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1477143`.

Ji:2022:GWP

[JWX22] Ruihong Ji, Jiahong Wu, and Xiaojing Xu. Global well-posedness of the 2D MHD equations of damped wave type in Sobolev space. *SIAM Journal on Mathematical Analysis*, 54(6):6018–6053, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1465342`.

Ji:2022:ASS

[JZZ22] Shanming Ji, Minyi Zhang, and Changjiang Zhu. Asymptotic stability of solutions to a hyperbolic-elliptic coupled system of radiating gas on the half line. *SIAM Journal on Mathematical Analysis*, 54(3):3884–3929, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1459848`.

Klibanov:2024:LSE

[KA24] Michael V. Klibanov and Yurii Averboukh. Lipschitz stability estimate and uniqueness in the retrospective analysis for the mean field games system via two Carleman estimates. *SIAM Journal on Mathematical Analysis*, 56(1):616–636, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Katsevich:2020:RAI

[Kat20] Alexander Katsevich. Resolution analysis of inverting the generalized Radon transform from discrete data in $\mathbf{R}^3$. *SIAM Journal on Mathematical Analysis*, 52(4):3990–4021, ???? 2020. CODEN SJMAAH.

ISSN 0036-1410 (print), 1095-7154 (electronic).

Katsevich:2023:NRA

[Kat23] Alexander Katsevich. Novel resolution analysis for the Radon transform in R2 for functions with rough edges. *SIAM Journal on Mathematical Analysis*, 55(5):4255–4296, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1502252`.

Korikov:2023:SDR

[KB23] Dmitrii V. Korikov and Mikhail I. Belishev. Stability of determination of Riemann surface from its Dirichlet-to-Neumann map in terms of Teichmüller distance. *SIAM Journal on Mathematical Analysis*, 55(6):7426–7448, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Kang:2021:QPC

[KbP21] Kyungkeun Kang and Xing bin Pan. On a quasilinear parabolic curl system motivated by time evolution of Meissner states of superconductors. *SIAM Journal on Mathematical Analysis*, 53(6):6471–6516, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kilque:2022:WNM

[Kil22] Corentin Kilque. Weakly nonlinear multiphase geometric optics for hyperbolic quasilinear boundary value problems: Construction of a leading profile. *SIAM Journal on Mathematical Analysis*, 54(2):2413–2507, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1413596`.

Kim:2021:HAL

[Kim21] Soojung Kim. Hydrodynamics of anisotropic liquid crystals in an applied magnetic field. *SIAM Journal on Mathematical Analysis*, 53(3):3123–3157, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Karch:2020:FNN

[KKK20] Grzegorz Karch, Moritz Kassmann, and Miłosz Krupski. A framework for nonlocal, nonlinear initial value problems. *SIAM Journal on Mathematical Analysis*, 52(3):2383–2410, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kracmar:2022:WSB

[KKNN22] Stanislav Kracmar, Young-Sam Kwon, Sárka Necasová, and Antonín Novotný. Weak solutions for a bifluid model for a mixture of two compressible noninteracting fluids with general boundary data. *SIAM Journal on Mathematical Analysis*, 54(1):818–871,

???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1419246.

Kagaya:2021:SNB

[KL21] Takashi Kagaya and Qing Liu. Singular Neumann boundary problems for a class of fully nonlinear parabolic equations in one dimension. *SIAM Journal on Mathematical Analysis*, 53(4):4350–4385, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kupferman:2022:SVC

[KL22] Raz Kupferman and Roee Leder. On Saint-Venant compatibility and stress potentials in manifolds with boundary and constant sectional curvature. *SIAM Journal on Mathematical Analysis*, 54 (4):4625–4657, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1466736.

Kim:2023:TGN

[KL23] Inwon Kim and Jona Lelmi. Tumor growth with nutrients: Stability of the tumor patches. *SIAM Journal on Mathematical Analysis*, 55(5):5862–5892, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1542222.

Kachmar:2024:GBL

[KL24a] Ayman Kachmar and Vladimir Lotoreichik. A geometric bound on the lowest magnetic Neumann eigenvalue via the torsion function. *SIAM Journal on Mathematical Analysis*, 56(4):5723–5745, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M1624658.

Kim:2024:VCB

[KL24b] Chanwoo Kim and Joonhyun La. Vorticity convergence from Boltzmann to 2D incompressible Euler equations below Yudovich class. *SIAM Journal on Mathematical Analysis*, 56(3): 3144–3202, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Kavallaris:2023:DDB

[KLS23] Nikos I. Kavallaris, Evangelos Latos, and Takashi Suzuki. Diffusion-driven blow-up for a nonlocal Fisher–KPP type model. *SIAM Journal on Mathematical Analysis*, 55 (3):2411–2433, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M145519X.

Kostianko:2022:IMS

[KLSZ22] Anna Kostianko, Xinhua Li, Chunyou Sun, and Sergey Zelik. Inertial manifolds via spatial averaging revisited.

SIAM Journal on Mathematical Analysis, 54(1):268–305, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1375437.

Korobkov:2022:EHI

[KLW22a] Mikhail Korobkov, Wenqi Lyu, and Shangkun Weng. On the existence of helical invariant solutions to steady Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 54(3):3974–3996, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1343324.

Kow:2022:CPF

[KLW22b] Pu-Zhao Kow, Yi-Hsuan Lin, and Jenn-Nan Wang. The Calderón problem for the fractional wave equation: Uniqueness and optimal stability. *SIAM Journal on Mathematical Analysis*, 54(3):3379–3419, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1444941.

Kawamoto:2020:LSI

[KM20] Atsushi Kawamoto and Manabu Machida. Lipschitz stability in inverse source and inverse coefficient problems for a first- and half-order time-fractional diffusion equation. *SIAM Journal on Mathematical Analysis*, 52(1):967–1005, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kim:2023:ILP

[KM23] Inwon Kim and Antoine Mellet. Incompressible limit of a porous media equation with bistable and monostable reaction term. *SIAM Journal on Mathematical Analysis*, 55(5):5318–5344, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1517147.

Korotyaev:2024:IRP

[KMM24] Evgeny Korotyaev, Andrea Mantile, and Dmitrii Mokeev. Inverse resonance problems for energy-dependent potentials on the half-line. *SIAM Journal on Mathematical Analysis*, 56(2):2115–2148, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Killip:2021:SCQ

[KMV21] Rowan Killip, Jason Murphy, and Monica Visan. Scattering for the cubic-quintic NLS: Crossing the virial threshold. *SIAM Journal on Mathematical Analysis*, 53(5):5803–5812, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kamenskii:2020:CPP

[KMW20] Mikhail Kamenskii, Oleg Makarenkov, and Lakmi N. Wadippuli. A continuation principle for periodic BV-Continuous state-dependent sweeping processes. *SIAM Journal on Mathematical Analysis*, 52(6):5598–5626, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kaneko:2020:APS

[KMY20] Yuki Kaneko, Hiroshi Matsuzawa, and Yoshio Yamada. Asymptotic profiles of solutions and propagating terrace for a free boundary problem of nonlinear diffusion equation with positive bistable nonlinearity. *SIAM Journal on Mathematical Analysis*, 52(1): 65–103, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kaltenbacher:2022:PAQ

[KN22] Barbara Kaltenbacher and Vanja Nikolić. Parabolic approximation of quasilinear wave equations with applications in nonlinear acoustics. *SIAM Journal on Mathematical Analysis*, 54(2):1593–1622, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1380430`.

Kehoe:2023:JGF

[KN23] Matthew Kehoe and David P. Nicholls. Joint geometry/frequency analyticity of fields scattered by periodic layered media. *SIAM Journal on Mathematical Analysis*, 55 (3):1737–1765, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1477568`.

Khoshnevisan:2021:SSE

[KNP21] Davar Khoshnevisan, David Nualart, and Fei Pu. Spatial stationarity, ergodicity, and CLT for parabolic Anderson model with delta initial condition in dimension $d \geq 1$. *SIAM Journal on Mathematical Analysis*, 53(2):2084–2133, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kukavica:2024:MEB

[KO24] Igor Kukavica and Wojciech S. Ożański. On a model of an elastic body fully immersed in a viscous incompressible fluid with small data. *SIAM Journal on Mathematical Analysis*, 56(1):746–761, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Kofroth:2023:ILE

[Kof23] Collin Kofroth. Integrated local energy decay for the damped wave equation on stationary space-times. *SIAM*

Journal on Mathematical Analysis, 55(5):5086–5126, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1490545`.

Korolev:2022:TLN

[Kor22] Yury Korolev. Two-layer neural networks with values in a Banach space. *SIAM Journal on Mathematical Analysis*, 54(6):6358–6389, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1458144`.

Kreutz:2021:MVV

[KP21] Leonard C. Kreutz and Paolo Piovano. Microscopic validation of a variational model of epitaxially strained crystalline films. *SIAM Journal on Mathematical Analysis*, 53(1):453–490, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kapitula:2020:RKM

[KPS20] Todd Kapitula, Ross Parker, and Björn Sandstede. A reformulated Krein matrix for star-even polynomial operators with applications. *SIAM Journal on Mathematical Analysis*, 52(5):4705–4750, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Korner:2021:SLS

[KR21] Jacob Körner and Gerhard Rein. Strong Lagrangian solutions of the (relativistic) Vlasov–Poisson system for NonSmooth, spherically symmetric data. *SIAM Journal on Mathematical Analysis*, 53(4):4985–4996, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kaltenbach:2023:ESS

[KR23] Alex Kaltenbach and Michael Ruzicka. Existence of steady solutions for a general model for micropolar electrorheological fluid flows. *SIAM Journal on Mathematical Analysis*, 55(3):2238–2260, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1500599`.

Kress:2021:DBC

[Kre21] Rainer Kress. The DB boundary condition in electromagnetic scattering revisited. *SIAM Journal on Mathematical Analysis*, 53(3):3661–3680, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krishnan:2021:SFD

[KRS21] Venkateswaran P. Krishnan, Rakesh Rakesh, and Soumen Senapati. Stability for a formally determined inverse problem for a hyperbolic PDE with space and time dependent coefficients. *SIAM Journal on Mathematical Analysis*, 53(6): 6822–6846, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kurt:2021:FTB

[KS21] Halil Ibrahim Kurt and Wenxian Shen. Finite-time blow-up prevention by logistic source in parabolic–elliptic chemotaxis models with singular sensitivity in any dimensional setting. *SIAM Journal on Mathematical Analysis*, 53(1):973–1003, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kuto:2024:MIS

[KS24] Kousuke Kuto and Homare Sato. Morse index of steady-states to the SKT model with Dirichlet boundary conditions. *SIAM Journal on Mathematical Analysis*, 56(4):5386–5408, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1627705`.

Klein:2023:LBR

[KSS23] Christian Klein, Johannes Sjöstrand, and Nikola Stoilov. Large $|k|$ behavior for the reflection coefficient for Davey–Stewartson II equations. *SIAM Journal on Mathematical Analysis*, 55(5):4912–4937, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1487916`.

Kow:2024:SBC

[KSS24] Pu-Zhao Kow, Mikko Salo, and Henrik Shahgholian. On scattering behavior of corner domains with anisotropic inhomogeneities. *SIAM Journal on Mathematical Analysis*, 56(4):4834–4853, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1603029`.

Kian:2023:LSR

[KST23] Yavar Kian, Éric Soccorsi, and Faouzi Triki. Logarithmic stable recovery of the source and the initial state of time fractional diffusion equations. *SIAM Journal on Mathematical Analysis*, 55(4):3888–3902, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1504743`.

Kim:2020:EUR

[KT20] Hyunseok Kim and Tai-Peng Tsai. Existence, uniqueness, and regularity results for elliptic equations with drift terms in critical weak spaces. *SIAM Journal on Mathematical Analysis*, 52(2):1146–1191, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kappeler:2022:ALT

[KT22a] T. Kappeler and P. Topalov. Arnold–Liouville theorem for integrable PDEs: a case study of the focusing NLS equation. *SIAM Journal on Mathematical Analysis*, 54(4):4334–4378, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1443169`.

Kiselev:2022:GRN

[KT22b] Alexander Kiselev and Changhui Tan. Global regularity for a nonlocal PDE describing evolution of polynomial roots under differentiation. *SIAM Journal on Mathematical Analysis*, 54(3):3161–3191, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1422859`.

Kim:2020:SCS

[KTT20] Yeoneung Kim, Hung V. Tran, and Son N. Tu. State-constraint static Hamilton–Jacobi equations in nested domains. *SIAM Journal on Mathematical Analysis*, 52(5):4161–4184, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kow:2021:OIS

[KUW21] Pu-Zhao Kow, Gunther Uhlmann, and Jenn-Nan Wang. Optimality of increasing stability for an inverse boundary value problem. *SIAM Journal on Mathematical Analysis*, 53(6):7062–7080, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Krupa:2020:SUP

[KV20] Sam G. Krupa and Alexis F. Vasseur. Stability and uniqueness for piecewise smooth solutions to a nonlocal scalar conservation law with applications to Burgers–Hilbert equation. *SIAM Journal on Mathematical Analysis*, 52(3):2491–2530, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Koumatos:2021:QGI

[KV21] Konstantinos Koumatos and Andreas P. Vikelis. $\mathcal{A}$-quasiconvexity, Gårding inequalities, and applications in PDE constrained problems in dynamics and statics. *SIAM Journal on Mathematical Analysis*, 53(4):4178–4211, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Koralov:2022:GLT

[KV22] L. Koralov and B. Vainberg. Global limit theorem for parabolic equations with a potential. *SIAM Journal on Mathematical Analysis*, 54(2):2097–2113, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154

(electronic). URL https://epubs.siam.org/doi/10.1137/21M1429370.

Kimura:2021:QEC

[KvM21] Masato Kimura and Patrick van Meurs. Quantitative estimate of the continuum approximations of interacting particle systems in one dimension. *SIAM Journal on Mathematical Analysis*, 53(1):681–709, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kong:2023:ESL

[KW23] Fanze Kong and Juncheng Wei. Existence and stability of localized patterns in the population models with large advection and strong Allee effect. *SIAM Journal on Mathematical Analysis*, 55(4):2505–2552, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M148625X.

Kweon:2023:CDR

[Kwe23] Jae Ryong Kweon. Cavity dynamics and regularity for compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 55(5):4599–4639, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M152270X.

Kenig:2021:PSE

[KZ21a] Carlos Kenig and Jiuyi Zhu. Propagation of smallness in elliptic periodic homogenization. *SIAM Journal on Mathematical Analysis*, 53(1):111–132, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Kreisbeck:2021:LDI

[KZ21b] Carolin Kreisbeck and Elvira Zappale. Loss of double-integral character during relaxation. *SIAM Journal on Mathematical Analysis*, 53(1):351–385, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lafleche:2020:FFP

[Laf20] Laurent Lafleche. Fractional Fokker–Planck equation with general confinement force. *SIAM Journal on Mathematical Analysis*, 52(1):164–196, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lai:2020:GNR

[Lai20] Geng Lai. Global NonIsentropic rotational supersonic flows in a semi-infinite divergent duct. *SIAM Journal on Mathematical Analysis*, 52(5):5121–5154, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lear:2023:GEL

[Lea23] Daniel Lear. Global existence and limiting behavior of unidirectional flocks for the fractional Euler alignment system. *SIAM Journal on Mathematical Analysis*, 55(4):3731–3754, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1514039.

Liu:2021:NSL

[LG21] Jinjing Liu and Zhenhua Guo. Nonlinear stability of large amplitude viscous shock waves to the one-dimensional system of viscoelasticity. *SIAM Journal on Mathematical Analysis*, 53 (2):1818–1830, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2020:AEF

[Li20] Haigang Li. Asymptotics for the electric field concentration in the perfect conductivity problem. *SIAM Journal on Mathematical Analysis*, 52(4): 3350–3375, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2021:FPI

[Li21] Li Li. A fractional parabolic inverse problem involving a time-dependent magnetic potential. *SIAM Journal on Mathematical Analysis*, 53(1):435–452, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2022:POO

[Li22a] Liangpan Li. On the placement of an obstacle so as to optimize the Dirichlet heat content. *SIAM Journal on Mathematical Analysis*, 54(3):3275–3291, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1433411.

Li:2022:LAS

[Li22b] Zongguang Li. Large amplitude solutions in $L^p_v L^\infty_T L^\infty_x$ to the Boltzmann equation for soft potentials. *SIAM Journal on Mathematical Analysis*, 54(4):4163–4197, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1443790.

Li:2023:PSS

[Li23] Shanbing Li. Positive steady-state solutions for a class of prey-predator systems with indirect prey-taxis. *SIAM Journal on Mathematical Analysis*, 55(6):6342–6374, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Liao:2022:LCW

[Lia22] Naian Liao. Local continuity of weak solutions to the Stefan problem involving the singular p-Laplacian. *SIAM Journal on Mathematical Analysis*, 54(2):2570–2586, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1402443`.

Liu:2023:BLD

[Liu23] Chao Liu. Blowups and longtime developments with near-boundary mass accretions of irregularly shaped Euler–Poisson dominated molecular clouds in astrophysics. *SIAM Journal on Mathematical Analysis*, 55(4):2553–2594, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1469420`.

List:2020:RUU

[LKPR20] Florian List, Kundan Kumar, Iuliu Sorin Pop, and Florin Adrian Radu. Rigorous upscaling of unsaturated flow in fractured porous media. *SIAM Journal on Mathematical Analysis*, 52(1):239–276, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lai:2020:PRG

[LL20] Ru-Yu Lai and Qin Li. Parameter reconstruction for general transport equation. *SIAM Journal on Mathematical Analysis*, 52(3):2734–2758, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2021:GLO

[LL21] Tiejun Li and Xiaoguang Li. Gamma-limit of the Onsager–Machlup functional on the space of curves. *SIAM Journal on Mathematical Analysis*, 53(1):1–31, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2022:DES

[LL22] Jing Li and Kuijie Li. The defocusing energy-supercritical nonlinear Schrödinger equation in high dimensions. *SIAM Journal on Mathematical Analysis*, 54(3):3253–3274, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1456443`.

Long:2023:CPF

[LLhW23] Wen-Gao Long, Yu-Tian Li, and Qing hai Wang. Connection problem of the first Painlevé transcendent between poles and negative infinity. *SIAM Journal on Mathematical Analysis*, 55(6):6676–6706, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Lim:2020:QPC

[LLN20] Tau Shean Lim, Yulong Lu, and James H. Nolen. Quantitative propagation of chaos in a bimolecular chemical reaction–diffusion model. *SIAM Journal* on Mathematical Analysis, 52 (2):2098–2133, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2021:APE

[LLPZ21] Shuang Liu, Yuan Lou, Rui Peng, and Maolin Zhou. Asymptotics of the principal eigenvalue for a linear time-periodic parabolic operator i: Large advection. *SIAM Journal on Mathematical Analysis*, 53(5):5243–5277, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lai:2020:CPS

[LLR20] Ru-Yu Lai, Yi-Hsuan Lin, and Angkana Rüland. The Calderón problem for a space-time fractional parabolic equation. *SIAM Journal on Mathematical Analysis*, 52(3):2655–2688, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lindblad:2020:DAO

[LLS20] Hans Lindblad, Jonas Lührmann, and Avy Soffer. Decay and asymptotics for the one-dimensional Klein–Gordon equation with variable coefficient cubic nonlinearities. *SIAM Journal on Mathematical Analysis*, 52(6):6379–6411, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2020:RBE

[LLW20] Yu-Chu Lin, Ming-Jiea Lyu, and Kung-Chien Wu. Relativistic Boltzmann equation: Large time behavior and finite speed of propagation. *SIAM Journal on Mathematical Analysis*, 52(6):5994–6032, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2021:CPC

[LLW21] Sili Liu, Yong Lu, and Huanyao Wen. On the Cauchy problem for a compressible Oldroyd-B model without stress diffusion. *SIAM Journal on Mathematical Analysis*, 53(6):6216–6242, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2022:IES

[LLW22] Jianliang Li, Peijun Li, and Xu Wang. Inverse elastic scattering for a random potential. *SIAM Journal on Mathematical Analysis*, 54(5):5126–5159, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1430200`.

Lin:2024:GES

[LLW24] Quyuan Lin, Rongchang Liu, and Weinan Wang. Global existence for the stochastic Boussinesq equations with transport noise and small rough data. *SIAM Journal on*

Mathematical Analysis, 56(1): 501–528, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Li:2024:FHT

[LLWZ24] Menghui Li, Xiao Luo, Juncheng Wei, and Maoding Zhen. Free and harmonic trapped spin-1 Bose–Einstein condensates in $\mathbf{R}^3$. *SIAM Journal on Mathematical Analysis*, 56 (4):4375–4414, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1572222`.

Liu:2021:RGF

[LLX21] Yuning Liu, Xin Yang Lu, and Xiang Xu. Regularity of a gradient flow generated by the anisotropic Landau–de Gennes energy with a singular potential. *SIAM Journal on Mathematical Analysis*, 53(3):3338–3365, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lai:2024:PDI

[LLZ24] Ru-Yu Lai, Xuezhu Lu, and Ting Zhou. Partial data inverse problems for the nonlinear time-dependent Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 56 (4):4712–4741, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1587993`.

Lopez:2020:SCD

[LM20] Robert Lopez and Amir Moradifam. Stability of current density impedance imaging. *SIAM Journal on Mathematical Analysis*, 52(5):4506–4523, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Linares:2021:LTB

[LM21] Felipe Linares and Argenis J. Mendez. On long time behavior of solutions of the Schrödinger–Korteweg–de Vries system. *SIAM Journal on Mathematical Analysis*, 53 (4):3838–3855, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

LePeutrec:2020:RQS

[LN20] Dorian Le Peutrec and Boris Nectoux. Repartition of the quasi-stationary distribution and first exit point density for a double-well potential. *SIAM Journal on Mathematical Analysis*, 52(1):581–604, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Logioti:2021:PFB

[LNRV21] A. Logioti, B. Niethammer, M. Röger, and J. J. L. Velázquez. A parabolic free boundary problem arising in a model of cell polarization. *SIAM Journal on Mathematical Analysis*, 53(1):1214–1238,

???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2020:ISW

[LOWX20] Bing Li, Masahito Ohta, Yifei Wu, and Jun Xue. Instability of the solitary waves for the generalized Boussinesq equations. *SIAM Journal on Mathematical Analysis*, 52(4):3192–3221, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Leopold:2020:DMS

[LP20] Nikolai Leopold and Peter Pickl. Derivation of the Maxwell–Schrödinger equations from the Pauli–Fierz Hamiltonian. *SIAM Journal on Mathematical Analysis*, 52 (5):4900–4936, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lafortune:2022:SIP

[LP22] Stéphane Lafortune and Dmitry E. Pelinovsky. Spectral instability of peakons in the b-family of the Camassa–Holm equations. *SIAM Journal on Mathematical Analysis*, 54(4):4572–4590, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1458776`.

Liao:2023:EAL

[LP23] Xian Liao and Michael Plum. Eigenvalue analysis of the Lax operator for the one-dimensional cubic nonlinear defocusing Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 55(6):7399–7425, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Li:2022:IME

[LPS22] Wei Li, Karl-Mikael Perfekt, and Stephen P. Shipman. Infinitely many embedded eigenvalues for the Neumann–Poincaré operator in 3D. *SIAM Journal on Mathematical Analysis*, 54(1):343–362, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1400365`.

Li:2021:SLT

[LPW21] Hai-Liang Li, Benoít Perthame, and Xinmei Wen. Sharp long-time asymptotics for chemotaxis with free boundary. *SIAM Journal on Mathematical Analysis*, 53(2):2027–2083, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2022:ASD

[LPW22] Qingqing Liu, Hongyun Peng, and Zhi-An Wang. Asymptotic stability of diffusion waves of a quasi-linear hyperbolic-parabolic model for vasculogenesis. *SIAM Journal on Mathematical Analysis*, 54 (1):1313–1346, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154

(electronic). URL https://epubs.siam.org/doi/10.1137/21M1418150.

Li:2023:GSQ

[LPZ23] Wei-Xi Li, Marius Paicu, and Ping Zhang. Gevrey solutions of quasi-linear hyperbolic hydrostatic Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 55(6):6194–6228, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Linares:2021:MFE

[LR21] Felipe Linares and João P. G. Ramos. Maximal function estimates and local well-posedness for the generalized Zakharov–Kuznetsov equation. *SIAM Journal on Mathematical Analysis*, 53(1):914–936, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Luo:2020:NLT

[LRW20] Senping Luo, Xiaofeng Ren, and Juncheng Wei. Non-hexagonal lattices from a two species interacting system. *SIAM Journal on Mathematical Analysis*, 52(2):1903–1942, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lamberti:2020:ICO

[LS20] Pier Domenico Lamberti and Ioannis G. Stratis. On an interior Calderón operator and a related Steklov eigenproblem for Maxwell's equations. *SIAM Journal on Mathematical Analysis*, 52(5):4140–4160, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Laurencot:2021:MTI

[LS21a] Philippe Laurençot and Christian Stinner. Mass threshold for infinite-time blowup in a chemotaxis model with split population. *SIAM Journal on Mathematical Analysis*, 53(3):3385–3419, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2021:GTW

[LS21b] Yang Li and Yongzhong Sun. On global-in-time weak solutions to a two-dimensional full compressible NonResistive MHD system. *SIAM Journal on Mathematical Analysis*, 53(4):4142–4177, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lai:2023:SRJ

[LS23a] Geng Lai and Wancheng Sheng. Supersonic reacting jet flows from a three-dimensional divergent conical nozzle. *SIAM Journal on Mathematical Analysis*, 55(5):5260–5317, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1529099.

Leopold:2023:PML

[LS23b] Nikolai Leopold and Chiara Saffirio. Propagation of moments for large data and semiclassical limit to the relativistic Vlasov equation. *SIAM Journal on Mathematical Analysis*, 55(3):1676–1706, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1493616`.

Li:2023:GEO

[LS23c] Hai-Liang Li and Ling-Yun Shou. Global existence and optimal time-decay rates of the compressible Navier–Stokes–Euler system. *SIAM Journal on Mathematical Analysis*, 55(3):1810–1846, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1497857`.

Liu:2023:CNL

[LSW23] Gi-Ren Liu, Yuan-Chung Sheu, and Hau-Tieng Wu. Central and noncentral limit theorems arising from the scattering transform and its neural activation generalization. *SIAM Journal on Mathematical Analysis*, 55(2):1170–1213, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1454511`.

Liu:2024:PDI

[LSY24] Boya Liu, Teemu Saksala, and Lili Yan. Partial data inverse problem for hyperbolic equation with time-dependent damping coefficient and potential. *SIAM Journal on Mathematical Analysis*, 56(4):5678–5722, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1588676`.

Lu:2021:DNA

[LSYZ21] Jianfeng Lu, Zuowei Shen, Haizhao Yang, and Shijun Zhang. Deep network approximation for smooth functions. *SIAM Journal on Mathematical Analysis*, 53(5):5465–5506, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lauriere:2022:CLP

[LT22] Mathieu Laurière and Ludovic Tangpi. Convergence of large population games to mean field games with interaction through the controls. *SIAM Journal on Mathematical Analysis*, 54(3):3535–3574, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1469328`.

Lai:2021:RCK

[LUY21] Ru-Yu Lai, Gunther Uhlmann, and Yang Yang. Reconstruction of the collision kernel in the nonlinear Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 53(1):1049–1069, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2020:RJU

[LW20a] Sirui Li and Wei Wang. Rigorous justification of the uniaxial limit from the Qian–Sheng inertial Q-tensor theory to the Ericksen–Leslie theory. *SIAM Journal on Mathematical Analysis*, 52(5):4421–4468, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2020:MTW

[LW20b] Yong Liu and Juncheng Wei. Multivortex traveling waves for the Gross–Pitaevskii equation and the Adler–Moser polynomials. *SIAM Journal on Mathematical Analysis*, 52(4):3546–3579, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2021:OIT

[LW21] Ze Li and Ming Wang. Observability inequality at two time points for KdV equations. *SIAM Journal on Mathematical Analysis*, 53(2):1944–1957, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liang:2022:GMF

[LW22] Rui Liang and Yuzhao Wang. Gibbs measure for the focusing fractional NLS on the torus. *SIAM Journal on Mathematical Analysis*, 54(6):6096–6118, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1445946`.

Li:2023:GEP

[LW23a] Fucai Li and Yichun Wang. Global Euler–Poisson limit to the Vlasov–Poisson–Boltzmann system with soft potential. *SIAM Journal on Mathematical Analysis*, 55(4):2877–2916, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1474254`.

Luo:2023:WPL

[LW23b] Dejun Luo and Danli Wang. Well posedness and limit theorems for a class of stochastic dyadic models. *SIAM Journal on Mathematical Analysis*, 55(2):1464–1498, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1511497`.

Li:2024:ISB

[LW24] Peijun Li and Xu Wang. Inverse scattering for the biharmonic wave equation with a random potential. *SIAM Journal on Mathematical Analysis*, 56(2):1959–1995, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Liu:2022:NES

[LWC22] Yarong Liu, Yejuan Wang, and Tomas Caraballo. Nontrivial equilibrium solutions and general stability for stochastic evolution equations with pantograph delay and tempered fractional noise. *SIAM Journal on Mathematical Analysis*, 54(5):5629–5661, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1496876`.

Lu:2020:DOD

[LWW20] Jianfeng Lu, Alexander B. Watson, and Michael I. Weinstein. Dirac operators and domain walls. *SIAM Journal on Mathematical Analysis*, 52(2):1115–1145, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2024:PEW

[LWX24] Yun Li, Fuke Wu, and Longjie Xie. Poisson equation on Wasserstein space and diffusion approximations for multiscale McKean–Vlasov equation. *SIAM Journal on Mathematical Analysis*, 56(2):1495–1524, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Lai:2021:SPA

[LWZ21a] Suhua Lai, Jiahong Wu, and Jianwen Zhang. Stabilizing phenomenon for 2D anisotropic magnetohydrodynamic system near a background magnetic field. *SIAM Journal on Mathematical Analysis*, 53(5):6073–6093, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Li:2021:WPF

[LWZ21b] Hui Li, Wei Wang, and Zhifei Zhang. Well-posedness of the free boundary problem in elastodynamics with mixed stability condition. *SIAM Journal on Mathematical Analysis*, 53(5):5405–5435, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2023:GSI

[LWZ23] Hongxia Lin, Jiahong Wu, and Yi Zhu. Global solutions to 3D incompressible MHD system with dissipation in only one direction. *SIAM Journal on Mathematical Analysis*, 55(5):4570–4598, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1471274`.

Liu:2022:RJF

[LWZZ22] Jian-Guo Liu, Ziheng Wang, Yuan Zhang, and Zhennan Zhou. Rigorous justification of the Fokker–Planck equations of neural networks based on an iteration perspective. *SIAM Journal on Mathematical Analysis*, 54(1):1270–1312, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1338368`.

Liu:2021:EIL

[LX21] Jian-Guo Liu and Xiangsheng Xu. Existence and incompressible limit of a tissue growth model with autophagy. *SIAM Journal on Mathematical Analysis*, 53(5):5215–5242, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liu:2023:ESA

[LX23] Yanlin Liu and Li Xu. On the existence and structures of almost axisymmetric solutions to 3-D Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 55(1):458–485, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1469912`.

Li:2024:IUE

[LX24] Jinkai Li and Zhouping Xin. Instantaneous unboundedness of the entropy and uniform positivity of the temperature for the compressible Navier–Stokes equations with fast decay density. *SIAM Journal on Mathematical Analysis*, 56(3):3004–3041, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Li:2023:SBA

[LXZ23] Haigang Li, Longjuan Xu, and Peihao Zhang. Stress blowup analysis when a suspending rigid particle approaches the boundary in Stokes flow: 2-dimensional case. *SIAM Journal on Mathematical Analysis*, 55(5):4493–4536, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1497407`.

Li:2021:WPM

[LY21] Wei-Xi Li and Tong Yang. Well-posedness of the MHD boundary layer system in Gevrey function space without structural assumption. *SIAM Journal on Mathematical Analysis*, 53(3):3236–3264, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lin:2022:HSP

[LY22] Genghong Lin and Jianshe Yu. Homoclinic solutions of periodic discrete Schrödinger equations with local superquadratic conditions. *SIAM Journal on Mathematical Analysis*, 54(2):1966–2005, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1413201`.

Liu:2023:IBE

[LY23] Xin Liu and Yuan Yuan. Immediate blowup of entropy-bounded classical solutions to the vacuum free boundary problem of nonisentropic compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 55 (3):1524–1544, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1493732`.

Li:2024:LMG

[LY24] Qinfeng Li and Ruofei Yao. On location of maximum of gradient of torsion function. *SIAM Journal on Mathematical Analysis*, 56(4):5372–5385, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1609452`.

Liu:2023:VPE

[LYZ23] Cheng-Jie Liu, Tong Yang, and Zhu Zhang. Validity of Prandtl expansions for steady MHD in the Sobolev framework. *SIAM Journal on Mathematical Analysis*, 55(3):2377–2410, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1507139`.

Li:2024:SRS

[LYZ24] Peijun Li, Xiaohua Yao, and Yue Zhao. The scattering resonances for schrödinger-type operators with unbounded potentials. *SIAM Journal on Mathematical Analysis*, 56(2):2149–2170, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Li:2024:UFF

[LYZZ24] Long Li, Jiansheng Yang, Bo Zhang, and Haiwen Zhang. Uniform far-field asymptotics of the two-layered Green function in two dimensions and application to wave scattering in a two-layered medium. *SIAM Journal on Mathematical Analysis*, 56(3):4143–4184, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1525910`.

Li:2020:BBA

[LZ20] Haigang Li and Zhiwen Zhao. Boundary blow-up analysis of gradient estimates for Lamé systems in the presence of m-convex hard inclusions. *SIAM Journal on Mathematical Analysis*, 52(4):3777–3817, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Luo:2021:PEI

[LZ21] Chenyun Luo and Junyan Zhang. A priori estimates for the incompressible free-boundary magnetohydrodynamics equations with surface tension. *SIAM Journal on Mathematical Analysis*, 53(2):

2595–2630, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lamy:2022:SRS

[LZ22] Xavier Lamy and Andres Zuniga. On the stability of radial solutions to an anisotropic Ginzburg–Landau equation. *SIAM Journal on Mathematical Analysis*, 54(1):723–736, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1433939`.

Li:2023:SEC

[LZ23a] Fucai Li and Zhipeng Zhang. Stabilizing effect of capillarity in the Rayleigh–Taylor problem to the viscous incompressible capillary fluids. *SIAM Journal on Mathematical Analysis*, 55(4):3287–3315, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1456327`.

Liard:2023:ANS

[LZ23b] Thibault Liard and Enrique Zuazua. Analysis and numerical solvability of backward–forward conservation laws. *SIAM Journal on Mathematical Analysis*, 55(3):1949–1968, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1478720`.

Luo:2024:GBK

[LZ24] Chenyun Luo and Kai Zhou. A generalized Beale–Kato–Majda breakdown criterion for the free-boundary problem in Euler equations with surface tension. *SIAM Journal on Mathematical Analysis*, 56(1):374–411, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Liao:2021:ODV

[LZZ21] Yongkai Liao, Huijiang Zhao, and Jiawei Zhou. One-dimensional viscous and heat-conducting ionized gas with density-dependent viscosity. *SIAM Journal on Mathematical Analysis*, 53(5):5580–5612, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ma:2022:LSI

[Ma22] Xiao Ma. Linear stability of the 2D irrotational circulation flow around an elliptical cylinder. *SIAM Journal on Mathematical Analysis*, 54(5):5576–5587, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M139671X`.

Martin:2022:TDP

[Mar22] Donati Martin. Two-dimensional point vortex dynamics in bounded domains: Global existence for almost every initial data. *SIAM Journal on Mathematical Analysis*, 54(1):79–113, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1413213`.

Minarcik:2020:LTB

[MB20] Jirí Minarcík and Michal Benes. Long-term behavior of curve shortening flow in $\mathbf{R}^3$. *SIAM Journal on Mathematical Analysis*, 52(2):1221–1231, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Meftahi:2021:ULS

[Mef21] Houcine Meftahi. Uniqueness, Lipschitz stability, and reconstruction for the inverse optical tomography problem. *SIAM Journal on Mathematical Analysis*, 53(6):6326–6354, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Menard:2024:MFL

[Mén24] Matthieu Ménard. Mean-field limit derivation of a monokinetic spray model with gyroscopic effects. *SIAM Journal on Mathematical Analysis*, 56 (1):1068–1113, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Mizoguchi:2020:CIE

[Miz20] Noriko Mizoguchi. Criterion on initial energy for finite-time blowup in parabolic-parabolic Keller–Segel system. *SIAM Journal on Mathematical Analysis*, 52(6):5840–5864, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mariano:2023:CNS

[MM23] Paolo Maria Mariano and Domenico Mucci. Crack nucleation in shells with through-the-thickness microstructure. *SIAM Journal on Mathematical Analysis*, 55(5):4977–4997, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1490004`.

Meszaros:2024:MFG

[MM24] Alpár R. Mészáros and Chenchen Mou. Mean field games systems under displacement monotonicity. *SIAM Journal on Mathematical Analysis*, 56(1):529–553, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Matano:2023:SFS

[MMN23] Hiroshi Matano, Yoichiro Mori, and Mitsunori Nara. Stability of front solutions of the bidomain Allen–Cahn equation on an infinite strip. *SIAM Journal on Mathematical Analysis*, 55(3):1545–1595, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1418095`.

Mateu:2023:SEE

[MMR+23] Joan Mateu, Maria Giovanna Mora, Luca Rondi, Lucia Scardia, and Joan Verdera. Stability of ellipsoids as the energy minimizers of perturbed Coulomb energies. *SIAM Journal on Mathematical Analysis*, 55(4):3650–3676, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1479695`.

Menovschikov:2021:EVT

[MMS21] Alexander Menovschikov, Anastasia Molchanova, and Luca Scarpa. An extended variational theory for nonlinear evolution equations via modular spaces. *SIAM Journal on Mathematical Analysis*, 53(4): 4865–4907, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ma:2021:SDW

[MMSH21] To Fu Ma, Jaqueline G. Mesquita, and Paulo N. Seminario-Huertas. Smooth dynamics of weakly damped Lamé systems with delay. *SIAM Journal on Mathematical Analysis*, 53(4):3759–3771, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Matsumura:2024:ABS

[MN24a] Akitaka Matsumura and Kenji Nishihara. Asymptotic behavior of solutions to the Cauchy problem for 1D $\boldsymbol{p}$-system with space-dependent damping. *SIAM Journal on Mathematical Analysis*, 56(1): 993–1015, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Milne:2024:OTA

[MN24b] Tristan Milne and Adrian Nachman. An optimal transport analogue of the Rudin–Osher–Fatemi model and its corresponding multiscale theory. *SIAM Journal on Mathematical Analysis*, 56(1):1114–1148, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Monard:2020:FRS

[Mon20] François Monard. Functional relations, sharp mapping properties, and regularization of the X-ray transform on disks of constant curvature. *SIAM Journal on Mathematical Analysis*, 52(6):5675–5702, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Moussa:2020:NCS

[Mou20] Ayman Moussa. From nonlocal to classical Shigesada–Kawasaki–Teramoto systems: Triangular case with bounded coefficients. *SIAM Journal on Mathematical Analysis*, 52(1): 42–64, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Maheux:2020:KSS

[MP20a] Patrick Maheux and Vittoria Pierfelice. The Keller–Segel system on the two-dimensional-hyperbolic space. *SIAM Journal on Mathematical Analysis*, 52(5):5036–5065, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Migorski:2020:AHD

[MP20b] Stanisław Migórski and Dariusz Paczka. Almost history-dependent variational-hemivariational inequality for frictional contact problems. *SIAM Journal on Mathematical Analysis*, 52(5): 4362–4390, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Madiyeva:2021:GPP

[MP21a] Aigerim Madiyeva and Dmitry E. Pelinovsky. Growth of perturbations to the peaked periodic waves in the Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 53(3): 3016–3039, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Montalto:2021:LSE

[MP21b] Riccardo Montalto and Michela Procesi. Linear Schrödinger equation with an almost periodic potential. *SIAM Journal on Mathematical Analysis*, 53 (1):386–434, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Maione:2022:CFD

[MPC22] Alberto Maione, Andrea Pinamonti, and Francesco Serra Cassano. Γ-convergence for functionals depending on vector fields. II. Convergence of minimizers. *SIAM Journal on Mathematical Analysis*, 54 (6):5761–5791, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1432466`.

Ma:2023:FAI

[MPMS23] Shiqi Ma, Leyter Potenciano-Machado, and Mikko Salo. Fixed angle inverse scattering for sound speeds close to constant. *SIAM Journal on Mathematical Analysis*, 55 (4):3420–3456, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M147640X`.

Munoz:2021:LTB

[MPS21] Claudio Muñoz, Gustavo Ponce, and Jean-Claude Saut. On the long time behavior of solutions to the intermediate long wave equation. *SIAM Journal on Mathematical Analysis*, 53(1):1029–1048, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mazzoleni:2023:SAO

[MPV23] Dario Mazzoleni, Benedetta Pellacci, and Gianmaria Verzini. Singular analysis of the optimizers of the principal eigenvalue in indefinite weighted Neumann problems. *SIAM Journal on Mathematical Analysis*, 55(4):4162–4192, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1490600`.

Miao:2022:QSR

[MPZ22] Qianyun Miao, Fa Peng, and Yuan Zhou. A quantitative Sobolev regularity for absolute minimizers involving Hamiltonian $H(p)$ in plane. *SIAM Journal on Mathematical Analysis*, 54(6):5792–5853, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1443601`.

Mooney:2024:SRO

[MR24] Connor Mooney and Arghya Rakshit. Sobolev regularity for optimal transport maps of nonconvex planar domains. *SIAM Journal on Mathematical Analysis*, 56(4):4742–4758, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1582436`.

Mazari:2022:QSE

[MRB22] Idriss Mazari and Domènec Ruiz-Balet. Quantitative stability for eigenvalues of Schrödinger operator, quantitative bathtub principle, and application to the turnpike property for a bilinear optimal control problem. *SIAM Journal on Mathematical Analysis*, 54(3):3848–3883, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1393121`.

Maity:2020:MTE

[MRR20] Debayan Maity, Jean-Pierre Raymond, and Arnab Roy. Maximal-in-time existence and uniqueness of strong solution of a 3D fluid-structure interaction model. *SIAM Journal on Mathematical Analysis*, 52(6):6338–6378, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Marcati:2020:ARI

[MS20a] Carlo Marcati and Christoph Schwab. Analytic regularity for the incompressible Navier–Stokes equations in polygons. *SIAM Journal on Mathematical Analysis*, 52(3):2945–2968, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mizumachi:2020:SBL

[MS20b] Tetsu Mizumachi and Yusuke

Shimabukuro. Stability of Benney–Luke line solitary waves in 2 dimensions. *SIAM Journal on Mathematical Analysis*, 52(5):4238–4283, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Morandotti:2020:MFA

[MS20c] Marco Morandotti and Francesco Solombrino. Mean-field analysis of multipopulation dynamics with label switching. *SIAM Journal on Mathematical Analysis*, 52(2):1427–1462, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Murata:2020:GWP

[MS20d] Miho Murata and Yoshihiro Shibata. The global well-posedness for the compressible fluid model of Korteweg type. *SIAM Journal on Mathematical Analysis*, 52(6):6313–6337, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mishra:2021:IRD

[MS21] Rohit Kumar Mishra and Suman Kumar Sahoo. Injectivity and range description of integral moment transforms over m-tensor fields in $\mathbf{R}^n$. *SIAM Journal on Mathematical Analysis*, 53(1):253–278, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mindrila:2022:TPW

[MS22] Claudiu Mîndrila and Sebastian Schwarzacher. Time-periodic weak solutions for an incompressible Newtonian fluid interacting with an elastic plate. *SIAM Journal on Mathematical Analysis*, 54 (4):4139–4162, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1458946`.

Monard:2023:SXR

[MS23a] François Monard and Plamen Stefanov. Sampling the X-ray transform on simple surfaces. *SIAM Journal on Mathematical Analysis*, 55(3):1707–1736, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1475272`.

Mukherjee:2023:ACU

[MS23b] Arpan Mukherjee and Mourad Sini. Acoustic cavitation using resonating MicroBubbles: Analysis in the time-domain. *SIAM Journal on Mathematical Analysis*, 55(5):5575–5616, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1533396`.

Mimikos-Stamatopoulos:2024:WRS

[MS24a] Nikiforos Mimikos-Stamatopoulos. Weak and renormalized solutions to a hypoelliptic mean field games system. *SIAM Journal on Mathematical Analysis*, 56(2):2312–2356, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Modena:2024:LNS

[MS24b] Stefano Modena and Andre Schenke. Local nonuniqueness for stochastic transport equations with deterministic drift. *SIAM Journal on Mathematical Analysis*, 56(4):5209–5261, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1589104`.

Mimikos-Stamatopoulos:2024:RLT

[MSM24] Nikiforos Mimikos-Stamatopoulos and Sebastian Munoz. Regularity and long time behavior of one-dimensional first-order mean field games and the planning problem. *SIAM Journal on Mathematical Analysis*, 56(1):43–78, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Monobe:2023:SES

[MSY23] Harunori Monobe, Masahiko Shimojo, and Eiji Yanagida. Spreading and extinction of solutions to the logarithmic diffusion equation with a logistic reaction. *SIAM Journal on Mathematical Analysis*, 55(3):2261–2287, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1492544`.

Mazon:2024:TRR

[MT24] José M. Mazón and Julián Toledo. Torsional rigidity in random walk spaces. *SIAM Journal on Mathematical Analysis*, 56(2):1604–1642, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Marion:2023:EPM

[MV23] Martine Marion and Vitaly Volpert. Existence of pulses for monotone reaction–diffusion systems. *SIAM Journal on Mathematical Analysis*, 55(2):603–627, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1453219`.

Ming:2020:WWP

[MW20] Mei Ming and Chao Wang. Water waves problem with surface tension in a corner domain i: a priori estimates with constrained contact angle. *SIAM Journal on Mathematical Analysis*, 52(5):4861–4899, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mellet:2023:CSN

[MW23] Antoine Mellet and Yijing Wu. Γ-convergence of some nonlocal perimeters in bounded domains with general boundary conditions. *SIAM Journal on Mathematical Analysis*, 55(4):3226–3261, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1483505`.

Ma:2023:LMN

[MWX23] Lei Ma, Tian-Yi Wang, and Chunjing Xie. Low Mach number limit and far field convergence rates of irrotational flows in multidimensional nozzles with an obstacle inside. *SIAM Journal on Mathematical Analysis*, 55(1):36–67, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1472553`.

Nemes:2020:LPA

[ND20] Gergö Nemes and Adri B. Olde Daalhuis. Large-parameter asymptotic expansions for the Legendre and Allied functions. *SIAM Journal on Mathematical Analysis*, 52(1):437–470, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Neiss:2020:SRP

[Nei20] Robert Axel Neiss. Symmetry reduction and periodic solutions in Hamiltonian Vlasov systems. *SIAM Journal on Mathematical Analysis*, 52(2):1844–1863, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nemes:2021:PTC

[Nem21] Gergö Nemes. Proofs of two conjectures on the real zeros of the cylinder and Airy functions. *SIAM Journal on Mathematical Analysis*, 53(4):4328–4349, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2020:ILN

[Ngu20] Trinh T. Nguyen. The inviscid limit of Navier–Stokes with critical Navier-slip boundary conditions for analytic data. *SIAM Journal on Mathematical Analysis*, 52(5):4616–4637, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2022:CPP

[Ngu22] Hoai-Minh Nguyen. Cloaking property of a plasmonic structure in doubly complementary media and three-sphere inequalities with partial data. *SIAM Journal on Mathematical Analysis*, 54(2):2040–2096, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1394722`.

Neamtu:2021:RCM

[NK21] Alexandra Neamtu and Christian Kuehn. Rough center manifolds. *SIAM Journal on Mathematical Analysis*, 53(4):

3912–3957, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Neves:2023:FBT

[NO23] Wladimir Neves and Dionicio Orlando. On fractional Benney type systems. *SIAM Journal on Mathematical Analysis*, 55(6):7296–7327, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Novack:2020:NWS

[Nov20] Matthew Novack. Nonuniqueness of weak solutions to the 3 dimensional quasi-geostrophic equations. *SIAM Journal on Mathematical Analysis*, 52(4): 3301–3349, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Novaga:2020:SOG

[NP20] Matteo Novaga and Paola Pozzi. A second order gradient flow of p-elastic planar networks. *SIAM Journal on Mathematical Analysis*, 52(1): 682–708, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Natalini:2023:MFL

[NP23] Roberto Natalini and Thierry Paul. The mean-field limit for hybrid models of collective motions with chemotaxis. *SIAM Journal on Mathematical Analysis*, 55(2):900–928, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1488004`.

Nguyen:2024:ODB

[NR24] Dinh-Thi Nguyen and Julien Ricaud. On one-dimensional Bose gases with two-body and (critical) attractive three-body interactions. *SIAM Journal on Mathematical Analysis*, 56(3): 3203–3251, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Niethammer:2020:LVE

[NS20a] Barbara Niethammer and Richard Schubert. A local version of Einstein's formula for the effective viscosity of suspensions. *SIAM Journal on Mathematical Analysis*, 52(3): 2561–2591, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Noakes:2020:LRS

[NS20b] Lyle Noakes and Luchezar Stoyanov. Lens rigidity in scattering by unions of strictly convex bodies in $\mathbf{R}^2$. *SIAM Journal on Mathematical Analysis*, 52(1):471–480, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Negri:2021:EEI

[NS21a] Matteo Negri and Riccardo Scala. Existence, energy identity, and higher time regularity of solutions to a dynamic viscoelastic cohesive interface model. *SIAM Journal on Mathematical Analysis*, 53 (5):5682–5730, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Novaes:2021:HOA

[NS21b] Douglas D. Novaes and Francisco B. Silva. Higher order analysis on the existence of periodic solutions in continuous differential equations via degree theory. *SIAM Journal on Mathematical Analysis*, 53(2): 2476–2490, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2024:SOF

[NY24] Nhu N. Nguyen and George Yin. Second-order fast-slow stochastic systems. *SIAM Journal on Mathematical Analysis*, 56(4):5175–5208, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1567382`.

Nersesyan:2024:EMW

[NZ24] Vahagn Nersesyan and Meng Zhao. Exponential mixing for the white-forced complex Ginzburg–Landau equation in the whole space. *SIAM Journal on Mathematical Analysis*, 56(3):3646–3678, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1597150`.

Oliynyk:2021:FGS

[Oli21] Todd A. Oliynyk. Future global stability for relativistic perfect fluids with linear equations of state $p = K\rho$ where $1/3 < K < 1/2$. *SIAM Journal on Mathematical Analysis*, 53 (4):4118–4141, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Osterbrink:2020:LFA

[OP20] Frank Osterbrink and Dirk Pauly. Low frequency asymptotics and Electro-magneto-statics for time-harmonic Maxwell's equations in exterior weak Lipschitz domains with mixed boundary conditions. *SIAM Journal on Mathematical Analysis*, 52(5):4971–5000, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ou:2021:LML

[Ou21] Yaobin Ou. Low Mach and low Froude number limit for vacuum free boundary problem of all-time classical solutions of one-dimensional compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 53(3):3265–3305, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ou:2022:ILI

[OY22] Yaobin Ou and Lu Yang. Incompressible limit of isentropic Navier–Stokes equations with ill-prepared data in bounded domains. *SIAM Journal on Mathematical Analysis*, 54(3):2948–2989, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1380491`.

Panov:2020:DES

[Pan20] Evgeniy Y. Panov. On decay of entropy solutions to multidimensional conservation laws. *SIAM Journal on Mathematical Analysis*, 52(2):1310–1317, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pankavich:2021:ELT

[Pan21] Stephen Pankavich. Exact large time behavior of spherically symmetric plasmas. *SIAM Journal on Mathematical Analysis*, 53(4):4474–4512, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pankavich:2023:SAB

[Pan23] Stephen Pankavich. Scattering and asymptotic behavior of solutions to the Vlasov–Poisson system in high dimension. *SIAM Journal on Mathematical Analysis*, 55(5):4727–4750, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1520013`.

Pan:2024:GAS

[Pan24] Xinghong Pan. Globally analytical solutions of the compressible Oldroyd-B model without retardation. *SIAM Journal on Mathematical Analysis*, 56(4):4854–4869, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1588974`.

Pecher:2020:LRW

[Pec20] Hartmut Pecher. Low regularity well-posedness for the Yang–Mills system in Fourier–Lebesgue spaces. *SIAM Journal on Mathematical Analysis*, 52(4):3131–3148, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peng:2023:CSM

[Pen23] Shaolong Peng. Classification of solutions to mixed order elliptic system with general nonlinearity. *SIAM Journal on Mathematical Analysis*, 55(4):2774–2812, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1510510`.

Perepelitsa:2020:CSH

[Per20] Misha Perepelitsa. Classical solutions of hyperbolic systems of PDEs with kinetic structure. *SIAM Journal on Mathematical Analysis*, 52(2):1864–1883, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pinaud:2021:ITM

[Pin21] Olivier Pinaud. Instantaneous time mirrors and wave equations with time-singular coefficients. *SIAM Journal on Mathematical Analysis*, 53(4):4401–4416, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peng:2023:GQN

[PL23] Yue-Jun Peng and Cunming Liu. Global quasi-neutral limit for a two-fluid Euler–Poisson system in several space dimensions. *SIAM Journal on Mathematical Analysis*, 55 (2):1405–1438, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1501465`.

Pelinovsky:2024:SBS

[PP24] Dmitry E. Pelinovsky and Michael Plum. Stability of black solitons in optical systems with intensity-dependent dispersion. *SIAM Journal on Mathematical Analysis*, 56(2): 2521–2568, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Perasso:2020:ABA

[PR20] Antoine Perasso and Quentin Richard. Asymptotic behavior of age-structured and delayed Lotka–Volterra models. *SIAM Journal on Mathematical Analysis*, 52(5):4284–4313, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Protasov:2020:SDT

[Pro20] Vladimir Yu. Protasov. Surface dimension, tiles, and synchronizing automata. *SIAM Journal on Mathematical Analysis*, 52(4):3463–3486, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Prunier:2024:FTA

[Pru24] Raphaël Prunier. Fuglede-type arguments for isoperimetric problems and applications to stability among convex shapes. *SIAM Journal on Mathematical Analysis*, 56(2): 1560–1603, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Pierotti:2022:GSN

[PS22] Dario Pierotti and Nicola Soave. Ground states for the NLS equation with combined nonlinearities on noncompact metric graphs. *SIAM Journal on Mathematical Analysis*, 54(1):768–790, ???? 2022.

CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1377837`.

Pitcho:2023:AEN

[PS23a] Jules Pitcho and Massimo Sorella. Almost everywhere nonuniqueness of integral curves for divergence-free Sobolev vector fields. *SIAM Journal on Mathematical Analysis*, 55(5):4640–4663, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1487187`.

Pozza:2023:LOF

[PS23b] Marco Pozza and Antonio Siconolfi. Lax-oleinik formula on networks. *SIAM Journal on Mathematical Analysis*, 55(3):2211–2237, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1448677`.

Pistoia:2023:ESS

[PST23] Angela Pistoia, Alberto Saldaña, and Hugo Tavares. Existence of solutions to a slightly supercritical pure Neumann problem. *SIAM Journal on Mathematical Analysis*, 55 (4):3844–3887, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1520360`.

Parhi:2024:DEI

[PU24] Rahul Parhi and Michael Unser. Distributional extension and invertibility of the k-plane transform and its dual. *SIAM Journal on Mathematical Analysis*, 56(4):4662–4686, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1556721`.

Pass:2021:MMO

[PVJ21] Brendan W. Pass and Adolfo Vargas-Jiménez. Multi-marginal optimal transportation problem for cyclic costs. *SIAM Journal on Mathematical Analysis*, 53(4):4386–4400, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Peng:2021:GBL

[PW21] Rui Peng and Yixiang Wu. Global L^∞-bounds and long-time behavior of a diffusive epidemic system in a heterogeneous environment. *SIAM Journal on Mathematical Analysis*, 53(3):2776–2810, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Pei:2022:GSJ

[PX22] Yu Pei and Wei Xiang. Global subsonic jet with strong transonic shock over a convex cornered wedge for the two-dimensional steady full Euler equations. *SIAM Journal on Mathematical Analysis*, 54(4):4407–4451, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1405320`.

Paicu:2024:GWP

[PYZ24] Marius Paicu, Tianyuan Yu, and Ning Zhu. Global well-posedness and vanishing normal stress coefficients for the hydrostatic second-grade fluid equations. *SIAM Journal on Mathematical Analysis*, 56(3):3252–3274, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Peng:2023:CPD

[PZ23] Hongyun Peng and Xiaoping Zhai. The Cauchy problem for the N-dimensional compressible Navier–Stokes equations without heat conductivity. *SIAM Journal on Mathematical Analysis*, 55(2):1439–1463, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1504998`.

Quinn:2024:AIT

[QB24] Solomon Quinn and Guillaume Bal. Approximations of interface topological invariants. *SIAM Journal on Mathematical Analysis*, 56(4):5521–5582, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1568387`.

Qian:2024:EED

[QRW24] Zhongmin Qian, Panpan Ren, and Feng-Yu Wang. Entropy estimate for degenerate SDEs with applications to nonlinear kinetic Fokker–Planck equations. *SIAM Journal on Mathematical Analysis*, 56(4):5330–5349, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/24M1634473`.

Qi:2022:ENP

[QZ22] Shijie Qi and Wenming Zou. Exact number of positive solutions for the Kirchhoff equation. *SIAM Journal on Mathematical Analysis*, 54(5):5424–5446, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1445879`.

Rankin:2023:SGC

[Ran23] Cale Rankin. Strict g-convexity for generated Jacobian equations with applications to global regularity. *SIAM Journal on Mathematical Analysis*, 55(5):5685–5714, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https:`

//epubs.siam.org/doi/10.1137/22M1518852.

Rege:2021:VPS

[Reg21] Alexandre Rege. The Vlasov–Poisson system with a uniform magnetic field: Propagation of moments and regularity. *SIAM Journal on Mathematical Analysis*, 53(2):2452–2475, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ruiz-Herrera:2020:DRD

[RH20] Alfonso Ruiz-Herrera. Delay reaction-diffusion systems via discrete dynamics. *SIAM Journal on Mathematical Analysis*, 52(6):6297–6312, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ricciardi:2023:CPM

[Ric23] Michele Ricciardi. The convergence problem in mean field games with Neumann boundary conditions. *SIAM Journal on Mathematical Analysis*, 55(4):3316–3343, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1479075.

Rosenzweig:2020:JPV

[Ros20] Matthew Rosenzweig. Justification of the point vortex approximation for modified surface quasi-geostrophic equations. *SIAM Journal on Mathematical Analysis*, 52(2):1690–1728, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rosler:2021:SVC

[Rös21] Frank Rösler. A strange vertex condition coming from nowhere. *SIAM Journal on Mathematical Analysis*, 53(3):3098–3122, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2020:VSP

[RR20] Zhenjie Ren and Mauro Rosestolato. Viscosity solutions of path-dependent PDEs with randomized time. *SIAM Journal on Mathematical Analysis*, 52(2):1943–1979, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Raita:2024:SPC

[RRTT24] Bogdan Raita, Angkana Rüland, Camillo Tissot, and Antonio Tribuzio. On scaling properties for a class of two-well problems for higher order homogeneous linear differential operators. *SIAM Journal on Mathematical Analysis*, 56(3):3720–3758, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M1588287.

Roscani:2022:OPS

[RRV22] Sabrina D. Roscani, Katarzyna Ryszewska, and Lucas Venturato. A one-phase space-fractional Stefan problem with no liquid initial domain. *SIAM Journal on Mathematical Analysis*, 54(5):5489–5523, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1461599.

Rakesh:2020:FAI

[RS20a] Rakesh and Mikko Salo. Fixed angle inverse scattering for almost symmetric or controlled perturbations. *SIAM Journal on Mathematical Analysis*, 52(6):5467–5499, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rindler:2020:RPC

[RS20b] Filip Rindler and Giles Shaw. Relaxation for partially coercive integral functionals with linear growth. *SIAM Journal on Mathematical Analysis*, 52(5):4806–4860, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rauch:2021:EPP

[RS21] Jeffrey Rauch and L. Ridgway Scott. The electrostatic potential of periodic crystals. *SIAM Journal on Mathematical Analysis*, 53(2):1474–1491, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Radici:2023:ESM

[RS23a] Emanuela Radici and Federico Stra. Entropy solutions of mildly singular nonlocal scalar conservation laws with congestion via deterministic particle methods. *SIAM Journal on Mathematical Analysis*, 55(3):2001–2041, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1462994.

Roubicek:2023:VSP

[RS23b] Tomás Roubícek and Ulisse Stefanelli. Viscoelastodynamics of swelling porous solids at large strains by an Eulerian approach. *SIAM Journal on Mathematical Analysis*, 55(4):2677–2703, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1474229.

Romero:2024:EBT

[RS24] José Luis Romero and Michael Speckbacher. Estimation of binary time-frequency masks from ambient noise. *SIAM Journal on Mathematical Analysis*, 56(3):3559–3587, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Rondi:2021:SDR

[RSS21] Luca Rondi, Eva Sincich, and Mourad Sini. Stable determination of a rigid scatterer in elastodynamics. *SIAM Journal on Mathematical Analysis*, 53 (2):2660–2689, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ruland:2021:SMS

[Rül21] Angkana Rüland. On single measurement stability for the fractional Calderón problem. *SIAM Journal on Mathematical Analysis*, 53(5):5094–5113, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rohde:2020:HNN

[RvW20] Christian Rohde and Lars von Wolff. Homogenization of nonlocal Navier–Stokes–Korteweg equations for compressible liquid-vapor flow in porous media. *SIAM Journal on Mathematical Analysis*, 52 (6):6155–6179, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rybka:2023:CSC

[RW23] Piotr Rybka and Glen Wheeler. Convergence of solutions to a convective Cahn–Hilliard-type equation of the sixth order in case of small deposition rates. *SIAM Journal on Mathematical Analysis*, 55(5):5823–5861, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1540429`.

Ren:2021:LTB

[RWZ21] Siqi Ren, Dongyi Wei, and Zhifei Zhang. Long time behavior of Alfvén waves in flowing plasma: The destruction of the magnetic Island. *SIAM Journal on Mathematical Analysis*, 53(5):5548–5579, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rockner:2020:SHE

[RWZZ20] Michael Röckner, Bo Wu, Rongchan Zhu, and Xiangchan Zhu. Stochastic heat equations with values in a manifold via Dirichlet forms. *SIAM Journal on Mathematical Analysis*, 52 (3):2237–2274, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rundell:2020:IST

[RZ20] William Rundell and Zhidong Zhang. On the identification of source term in the heat equation from sparse data. *SIAM Journal on Mathematical Analysis*, 52(2):1526–1548, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2021:UDA

[RZ21] Kui Ren and Yimin Zhong.

Unique determination of absorption coefficients in a semilinear transport equation. *SIAM Journal on Mathematical Analysis*, 53(5):5158–5184, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2021:SKF

[RZZ21] Kui Ren, Hongkai Zhao, and Yimin Zhong. Separability of the kernel function in an integral formulation for the anisotropic radiative transfer equation. *SIAM Journal on Mathematical Analysis*, 53(5): 5613–5645, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Salazar:2021:CTE

[SAB21] Lorena Aguirre Salazar, Stan Alama, and Lia Bronsard. Convergence of the TFDW energy to the liquid drop model. *SIAM Journal on Mathematical Analysis*, 53(3):3493–3519, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Saffirio:2020:HEV

[Saf20] Chiara Saffirio. From the Hartree equation to the Vlasov–Poisson system: Strong convergence for a class of mixed states. *SIAM Journal on Mathematical Analysis*, 52 (6):5533–5553, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Said:2023:GPQ

[Sai23] Ayman Rimah Said. A geometric proof of the quasi-linearity of the water waves system. *SIAM Journal on Mathematical Analysis*, 55(1):508–556, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M141587X`.

Sprengel:2017:TIT

[SCB17] M. Sprengel, G. Ciaramella, and A. Borzì. A theoretical investigation of time-dependent Kohn–Sham equations. *SIAM Journal on Mathematical Analysis*, 49(3):1681–1704, ???? 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [SCB20].

Sprengel:2020:ETI

[SCB20] M. Sprengel, G. Ciaramella, and A. Borzì. Erratum: A Theoretical Investigation of Time-dependent Kohn–Sham Equations. *SIAM Journal on Mathematical Analysis*, 52(1):1006–1008, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [SCB17].

Scott:2024:NPL

[SD24] James M. Scott and Qiang Du. Nonlocal problems with local boundary conditions I:

Function spaces and variational principles. *SIAM Journal on Mathematical Analysis*, 56(3):4185–4222, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M1588111.

Selim:2024:PDI

[Sel24] Salem Selim. Partial data inverse problems for magnetic Schrödinger operators with potentials of low regularity. *SIAM Journal on Mathematical Analysis*, 56(4):4594–4622, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1530707.

Senik:2023:HLP

[Sen23] Nikita N. Senik. Homogenization for locally periodic elliptic problems on a domain. *SIAM Journal on Mathematical Analysis*, 55(2):849–881, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1419337.

Schulz:2022:FKB

[SH22] Erick Schulz and Ralf Hiptmair. First-kind boundary integral equations for the Dirac operator in 3-dimensional Lipschitz domains. *SIAM Journal on Mathematical Analysis*, 54(1):616–648, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1389224.

Shu:2020:HLF

[Shu20] Yan Shu. From Hopf–Lax formula to optimal weak transfer plan. *SIAM Journal on Mathematical Analysis*, 52(3):3052–3072, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Shu:2021:EAD

[Shu21] Ruiwen Shu. Equilibration of aggregation-diffusion equations with weak interaction forces. *SIAM Journal on Mathematical Analysis*, 53(6):6562–6616, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Silini:2023:LES

[Sil23] Lauro Silini. Local existence of smooth solutions for the semigeostrophic equations on curved domains. *SIAM Journal on Mathematical Analysis*, 55(6):6554–6579, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Simon:2021:QAR

[Sim21] Theresa M. Simon. Quantitative aspects of the rigidity of branching microstructures in shape memory alloys via h-measures. *SIAM Journal on Mathematical Analysis*, 53(4):4537–4567, ???? 2021. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sinambela:2021:LAS

[Sin21] Daniel Sinambela. Large-amplitude solitary waves in two-layer density stratified water. *SIAM Journal on Mathematical Analysis*, 53(4):4812–4864, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sun:2022:URH

[SL22] Weiran Sun and Qin Li. Unique reconstruction of the heat-reflection indices at solid interfaces. *SIAM Journal on Mathematical Analysis*, 54 (5):5742–5759, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1438773`.

Snelson:2020:GBI

[Sne20] Stanley Snelson. Gaussian bounds for the inhomogeneous Landau equation with hard potentials. *SIAM Journal on Mathematical Analysis*, 52(2):2081–2097, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Solci:2024:NIV

[Sol24] Margherita Solci. Nonlocal-interaction vortices. *SIAM Journal on Mathematical Analysis*, 56(3):3430–3451, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Sagiv:2020:TIU

[SS20] Amir Sagiv and Stefan Steinerberger. Transport and interface: an uncertainty principle for the Wasserstein distance. *SIAM Journal on Mathematical Analysis*, 52(3):3039–3051, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schwarzacher:2022:WSU

[SS22a] Sebastian Schwarzacher and Matthias Sroczinski. Weak-strong uniqueness for an elastic plate interacting with the Navier–Stokes equation. *SIAM Journal on Mathematical Analysis*, 54(4):4104–4138, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1443509`.

Semoradova:2022:DED

[SS22b] Iveta Semoradova and Petr Siegl. Diverging eigenvalues in domain truncations of Schrödinger operators with complex potentials. *SIAM Journal on Mathematical Analysis*, 54(4):5064–5101, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1439699`.

Sarrazin:2024:LOT

[SS24] Clément Sarrazin and Bernhard Schmitzer. Linearized optimal transport on manifolds. *SIAM Journal on Mathematical Analysis*, 56(4):4970–5016, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1564535`.

Saut:2024:WBG

[SSWZ24] Jean-Claude Saut, Shihan Sun, Yuexun Wang, and Yi Zhang. Wave breaking for the generalized Fornberg–Whitham equation. *SIAM Journal on Mathematical Analysis*, 56(4):4440–4465, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1603431`.

Saito:2020:SFB

[SSZ20] Hirokazu Saito, Yoshihiro Shibata, and Xin Zhang. Some free boundary problem for two-phase inhomogeneous incompressible flows. *SIAM Journal on Mathematical Analysis*, 52(4):3397–3443, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Shvydkoy:2020:TBF

[ST20a] Roman Shvydkoy and Eitan Tadmor. Topologically based fractional diffusion and emergent dynamics with short-range interactions. *SIAM Journal on Mathematical Analysis*, 52(6):5792–5839, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sun:2020:GMD

[ST20b] Chenmin Sun and Nikolay Tzvetkov. Gibbs measure dynamics for the fractional NLS. *SIAM Journal on Mathematical Analysis*, 52(5):4638–4704, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Stevenson:2021:TWS

[ST21] Noah Stevenson and Ian Tice. Traveling wave solutions to the multilayer free boundary incompressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 53(6):6370–6423, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Snelson:2024:ODE

[ST24] Stanley Snelson and Eduardo V. Teixeira. Optimal domains for elliptic eigenvalue problems with rough coefficients. *SIAM Journal on Mathematical Analysis*, 56(3):3412–3429, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Stefanov:2020:SSD

[Ste20] Plamen Stefanov. Semiclassical sampling and discretization of certain linear inverse problems. *SIAM Journal on Mathematical Analysis*, 52(6): 5554–5597, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sun:2021:LTR

[Sun21] Changzhen Sun. Long-term regularity of two-dimensional Navier–Stokes–Poisson equations. *SIAM Journal on Mathematical Analysis*, 53(5):5114–5157, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Steinbach:2022:NAS

[SUT22] Olaf Steinbach and Carolina Urzúa-Torres. A new approach to space-time boundary integral equations for the wave equation. *SIAM Journal on Mathematical Analysis*, 54(2):1370–1392, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1420034`.

Schimperna:2020:CSO

[SW20a] Giulio Schimperna and Hao Wu. On a class of sixth-order Cahn–Hilliard-type equations with logarithmic potential. *SIAM Journal on Mathematical Analysis*, 52(5):5155–5195, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Staffilani:2020:SCN

[SW20b] Gigliola Staffilani and Bobby Wilson. Stability of the cubic nonlinear Schrödinger equation on an irrational torus. *SIAM Journal on Mathematical Analysis*, 52(2):1318–1342, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Sagiv:2022:EGC

[SW22a] Amir Sagiv and Michael I. Weinstein. Effective gaps in continuous Floquet Hamiltonians. *SIAM Journal on Mathematical Analysis*, 54(1):986–1021, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1417363`.

Saut:2022:WBW

[SW22b] Jean-Claude Saut and Yuexun Wang. The wave breaking for Whitham-type equations revisited. *SIAM Journal on Mathematical Analysis*, 54(2):2295–2319, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1345207`.

Sini:2022:ISP

[SW22c] Mourad Sini and Haibing Wang. The inverse source problem for the wave equation revisited: a new approach. *SIAM Journal on Mathematical Analysis*, 54(5):5160–5181,

???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1463689.

Saut:2020:LTE

[SX20a] Jean-Claude Saut and Li Xu. Long time existence for a strongly dispersive Boussinesq system. *SIAM Journal on Mathematical Analysis*, 52(3): 2803–2848, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schochet:2020:MFT

[SX20b] Steven Schochet and Xin Xu. Moderately fast three-scale singular limits. *SIAM Journal on Mathematical Analysis*, 52(4): 3444–3462, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Stefanov:2022:IBP

[SZ22] Plamen Stefanov and Yimin Zhong. Inverse boundary problem for the two photon absorption transport equation. *SIAM Journal on Mathematical Analysis*, 54(3):2753–2767, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1417387.

Takasao:2021:OPB

[Tak21] Keisuke Takasao. On obstacle problem for Brakke's mean curvature flow. *SIAM Journal on Mathematical Analysis*, 53 (6):6355–6369, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tan:2021:EDM

[Tan21] Changhui Tan. Eulerian dynamics in multidimensions with radial symmetry. *SIAM Journal on Mathematical Analysis*, 53(3):3040–3071, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tesfahun:2020:SDS

[Tes20] Achenef Tesfahun. Small data scattering for cubic Dirac equation with Hartree type nonlinearity in $\mathbf{R}^{1+3}$. *SIAM Journal on Mathematical Analysis*, 52 (3):2969–3003, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tetlow:2022:RTD

[Tet22] Alexander Tetlow. Recovery of a time-dependent Hermitian connection and potential appearing in the dynamic Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 54(2):1347–1369, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/20M1353265.

Tione:2023:CPD

[Tio23] Riccardo Tione. Critical points of degenerate polyconvex energies. *SIAM Journal on Mathematical Analysis*, 55(4):3205–3225, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1519018`.

Tokinaga:2020:VSS

[TR20] Tokinaga and Piotr Rybka. On viscosity solutions of space-fractional diffusion equations of Caputo type. *SIAM Journal on Mathematical Analysis*, 52(1):653–681, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Treton:2024:BVG

[Tré24] Samuel Tréton. Blow-up vs. global existence for a fujita-type heat exchanger system. *SIAM Journal on Mathematical Analysis*, 56(2):2191–2212, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Tavares:2024:SVP

[TSMO24] Eduardo H. Gomes Tavares, Marcio A. Jorge Silva, To Fu Ma, and Higidio P. Oquendo. Shearing viscoelasticity in partially dissipative Timoshenko–Boltzmann systems. *SIAM Journal on Mathematical Analysis*, 56(1):1149–1178, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Tsuge:2022:GES

[Tsu22] Naoki Tsuge. Global existence of a solution for isentropic gas flow in the laval nozzle with a friction term. *SIAM Journal on Mathematical Analysis*, 54(2):2142–2162, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1415029`.

Tadmor:2022:CTG

[TT22] Eitan Tadmor and Changhui Tan. Critical threshold for global regularity of the Euler–Monge–Ampère system with radial symmetry. *SIAM Journal on Mathematical Analysis*, 54(4):4277–4296, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1437767`.

Tao:2021:TDF

[TW21] Youshan Tao and Michael Winkler. Taxis-driven formation of singular hotspots in a May–Nowak type model for virus infection. *SIAM Journal on Mathematical Analysis*, 53 (2):1411–1433, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tao:2022:ETQ

[TW22a] Youshan Tao and Michael Winkler. Existence theory and qualitative analysis for a fully cross-diffusive predator-prey system. *SIAM Journal on Mathematical Analysis*, 54(4):4806–4864, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1449841`.

Trakhinin:2022:WPM

[TW22b] Yuri Trakhinin and Tao Wang. Well-posedness for moving interfaces with surface tension in ideal compressible MHD. *SIAM Journal on Mathematical Analysis*, 54(6):5888–5921, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1488429`.

Trifunovic:2023:IPB

[TW23] Srdan Trifunović and Ya-Guang Wang. On the interaction problem between a compressible viscous fluid and a nonlinear thermoelastic plate. *SIAM Journal on Mathematical Analysis*, 55(4):3509–3566, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1385640`.

Tao:2020:ZVL

[TWZ20] Tao Tao, Wendong Wang, and Zhifei Zhang. Zero-viscosity limit of the Navier–Stokes equations with the Navier friction boundary condition. *SIAM Journal on Mathematical Analysis*, 52(2):1040–1095, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tang:2024:MMB

[TX24] Xingdong Tang and Guixiang Xu. Minimal mass blow-up solutions for the $\boldsymbol{L^2}$-critical NLS with the delta potential for even data in one dimension. *SIAM Journal on Mathematical Analysis*, 56(2):1727–1769, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Uhlmann:2024:ACP

[UW24] Gunther Uhlmann and Yiran Wang. The anisotropic Calderón problem for high fixed frequency. *SIAM Journal on Mathematical Analysis*, 56(3):4084–4103, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1579029`.

Uhlmann:2023:IBV

[UZ23] Gunther Uhlmann and Yang Zhang. An inverse boundary value problem arising in nonlinear acoustics. *SIAM Journal on Mathematical Analysis*, 55(2):1364–1404, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1492490`.

Varholm:2020:GBW

[Var20] Kristoffer Varholm. Global bifurcation of waves with multiple critical layers. *SIAM Journal on Mathematical Analysis*, 52(5):5066–5089, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

vanMeurs:2022:BLA

[vM22] Patrick van Meurs. Boundary-layer analysis of repelling particles pushed to an impenetrable barrier. *SIAM Journal on Mathematical Analysis*, 54(2):1742–1774, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1420198`.

vanMeurs:2024:DDD

[vMP24] Patrick van Meurs and Stefania Patrizi. Discrete dislocation dynamics with annihilation as the limit of the Peierls–Nabarro model in one dimension. *SIAM Journal on Mathematical Analysis*, 56(1):197–233, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Vogelius:2021:FRC

[VX21] Michael Vogelius and Jingni Xiao. Finiteness results concerning nonscattering wave numbers for incident plane and Herglotz waves. *SIAM Journal on Mathematical Analysis*, 53 (5):5436–5464, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Vasseur:2023:BVE

[VY23] Alexis F. Vasseur and Jincheng Yang. Boundary vorticity estimates for Navier–Stokes and application to the inviscid limit. *SIAM Journal on Mathematical Analysis*, 55 (4):3081–3107, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1503567`.

Wang:2020:TDI

[Wan20] Fei Wang. The three-dimensional inviscid limit problem with data analytic near the boundary. *SIAM Journal on Mathematical Analysis*, 52(4):3520–3545, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2021:GWP

[Wan21] Wenjun Wang. Global well-posedness and decay rates of strong solutions to a $P1$-approximation model arising in radiation hydrodynamics. *SIAM Journal on Mathematical Analysis*, 53(5):5361–5404, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2022:GSS

[Wan22] Chunpeng Wang. Global smooth sonic-supersonic flows in a class of critical nozzles. *SIAM Journal on Mathematical Analysis*, 54(2):1820–1859, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1373906`.

Wang:2023:PSS

[Wan23] Teng Wang. Planar stationary solution to outflow problem for compressible heat conducting gas in $\mathbf{R}^3_+$: Stability and convergence rate. *SIAM Journal on Mathematical Analysis*, 55(1):210–274, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1488351`.

Wang:2020:RSQ

[WdlL20] Fenfen Wang and Rafael de la Llave. Response solutions to quasi-periodically forced systems, even to possibly ill-posed PDEs, with strong dissipation and any frequency vectors. *SIAM Journal on Mathematical Analysis*, 52(4):3149–3191, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Weber:2020:HPC

[Web20] Jörg Weber. Hot plasma in a container — an optimal control problem. *SIAM Journal on Mathematical Analysis*, 52 (3):2895–2929, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wichmann:2023:TRS

[Wic23] Jörn Wichmann. On temporal regularity of strong solutions to stochastic p-Laplace systems. *SIAM Journal on Mathematical Analysis*, 55(4):3713–3730, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1460491`.

Winkler:2020:SMS

[Win20] Michael Winkler. Small-mass solutions in the two-dimensional Keller–Segel system coupled to the Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 52(2):2041–2080, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2022:LBS

[WJW22] Yanqing Wang, Quansen Jiu, and Wei Wei. Leray's backward self-similar solutions to the 3D Navier–Stokes equations in Morrey spaces. *SIAM Journal on Mathematical Analysis*, 54(3):2768–2791, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1346055`.

Wang:2023:AAR

[WKM23] Renhai Wang, Kush Kinra, and Manil T. Mohan. Asymptotically autonomous robustness in probability of random attractors for stochastic Navier–Stokes equations on unbounded Poincaré domains. *SIAM Journal on Mathematical Analysis*, 55(4):2644–2676, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1517111`.

Wei:2021:STS

[WMZZ21] Mengmeng Wei, Ming Mei, Guojing Zhang, and Kaijun Zhang. Smooth transonic steady states of hydrodynamic model for semiconductors. *SIAM Journal on Mathematical Analysis*, 53(4):4908–4932, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2022:HLE

[WO22] Lei Wu and Zhimeng Ouyang. Hydrodynamic limit of 3dimensional evolutionary Boltzmann equation in convex domains. *SIAM Journal on Mathematical Analysis*, 54(2):2508–2569, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1375735`.

Wickman:2023:GFP

[WO23] Clare Wickman and Kasso A. Okoudjou. Gradient flows for probabilistic frame potentials in the Wasserstein space. *SIAM Journal on Mathematical Analysis*, 55(3):2324–2346, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1425633`.

Wright:2024:ACM

[Wri24] J. Douglas Wright. Approximation of Calogero–Moser lattices by Benjamin–Ono equations. *SIAM Journal on Mathematical Analysis*, 56(4):5583–5603, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/24M1629869`.

Weihs:2024:CFG

[WT24] Adrien Weihs and Matthew Thorpe. Consistency of fractional graph-Laplacian regularization in semisupervised learning with finite labels. *SIAM Journal on Mathematical Analysis*, 56(4):4253–4295, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1559087`.

Wang:2022:HAM

[WW22] Chao Wang and Yuxi Wang. On the hydrostatic approximation of the MHD equations in a thin strip. *SIAM Journal on Mathematical Analysis*, 54(1):1241–1269, ???? 2022.

CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1425360.

Wu:2023:HSE

[WW23] Wenpei Wu and Yong Wang. On the half-space or exterior problems of the 3D compressible elastic Navier–Stokes–Poisson equations. *SIAM Journal on Mathematical Analysis*, 55(4):2996–3043, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1526162.

Wang:2021:HLB

[WWZ21] Guanfa Wang, Yong Wang, and Jiawei Zhou. Hydrodynamic limit of the Boltzmann equation to the planar rarefaction wave in three dimensional space. *SIAM Journal on Mathematical Analysis*, 53(4):4692–4726, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2023:TIM

[WWZ23a] Rong-Nian Wang, Jianhong Wu, and Jia-Cheng Zhao. Theory of invariant manifolds for infinite-dimensional nonautonomous dynamical systems and applications. *SIAM Journal on Mathematical Analysis*, 55(5):5386–5431, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1463392.

Wang:2023:VSV

[WWZ23b] Yinghui Wang, Huanyao Wen, and Weihao Zhang. Vanishing shear viscosity limit for the Navier–Stokes equations with cylindrical symmetry: Boundary layer and optimal convergence rate. *SIAM Journal on Mathematical Analysis*, 55(3):1631–1675, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1509321.

Wang:2021:VVS

[WX21] Yanjin Wang and Zhouping Xin. Vanishing viscosity and surface tension limits of incompressible viscous surface waves. *SIAM Journal on Mathematical Analysis*, 53(1):574–648, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Weng:2021:SST

[WXX21] Shangkun Weng, Chunjing Xie, and Zhouping Xin. Structural stability of the transonic shock problem in a divergent three-dimensional axisymmetric perturbed nozzle. *SIAM Journal on Mathematical Analysis*, 53(1):279–308, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2024:EDA

[WXZ24] Yin Wang, Qingxiang Xu, and Peng Zhou. Evolution of dispersal in advective homogeneous environments: Inflow versus outflow. *SIAM Journal on Mathematical Analysis*, 56(2):1643–1671, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Wang:2021:WPE

[WY21] Zhan Wang and Jiaqi Yang. Well-posedness of electrohydrodynamic interfacial waves under tangential electric field. *SIAM Journal on Mathematical Analysis*, 53(2):2567–2594, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2023:GSN

[WYZ23] Guochun Wu, Lei Yao, and Yinghui Zhang. Global stability and nonvanishing vacuum states of 3D compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 55(2):882–899, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1478859`.

Wang:2020:BFT

[WZ20a] Ya-Guang Wang and Shi-Yong Zhu. Back flow of the two-dimensional unsteady Prandtl boundary layer under an adverse pressure gradient. *SIAM Journal on Mathematical Analysis*, 52(1):954–966, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2020:EBS

[WZ20b] Lina Wu and Lei Zhang. Estimates of bubbling solutions of SU(3) Toda systems at critical parameters. Part 1. *SIAM Journal on Mathematical Analysis*, 52(4):3738–3776, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2022:GEW

[WZ22] Guodong Wang and Bijun Zuo. Global existence of weak solutions to the compressible Navier–Stokes equations with temperature-depending viscosity coefficients. *SIAM Journal on Mathematical Analysis*, 54(3):3724–3756, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1405915`.

Wang:2023:PRI

[WZ23] Haitao Wang and Xiongtao Zhang. Propagation of rough initial data for Navier–Stokes equation. *SIAM Journal on Mathematical Analysis*, 55 (2):966–1006, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https:`

//epubs.siam.org/doi/10.1137/22M1474540.

Wu:2024:LDS

[WZ24] Weina Wu and Jianliang Zhai. Large deviations for stochastic generalized porous media equations driven by lévy noise. *SIAM Journal on Mathematical Analysis*, 56(1):1–42, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Wu:2020:OLT

[WZZ20] Guochun Wu, Yinghui Zhang, and Lan Zou. Optimal large-time behavior of the two-phase fluid model in the whole space. *SIAM Journal on Mathematical Analysis*, 52(6):5748–5774, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wei:2024:GCL

[WZZ24] Jing Wei, Minyi Zhang, and Changjiang Zhu. Global classical large solutions for the radiation hydrodynamics model in unbounded domains. *SIAM Journal on Mathematical Analysis*, 56(4):4811–4833, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/23M1598581.

Xu:2022:LTB

[XC22] Jiaohui Xu and Tomás Caraballo. Long time behavior of stochastic nonlocal partial differential equations and Wong–Zakai approximations. *SIAM Journal on Mathematical Analysis*, 54(3):2792–2844, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1412645.

Xu:2024:DLD

[XCV24] Jiaohui Xu, Tomás Caraballo, and José Valero. Dynamics and large deviations for fractional stochastic partial differential equations with lévy noise. *SIAM Journal on Mathematical Analysis*, 56(1):1016–1067, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Xiang:2020:EME

[Xia20] Xingfei Xiang. On L^r estimates for Maxwell's equations with complex coefficients in Lipschitz domains. *SIAM Journal on Mathematical Analysis*, 52(6):6140–6154, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xu:2023:SSR

[XMN23] Jianing Xu, Ming Mei, and Shinya Nishibata. Structural stability of radial interior subsonic steady-states to n-D Euler–Poisson system of semiconductor models with sonic boundary. *SIAM Journal on Mathematical Analysis*, 55(6):7741–7761, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Xia:2023:ROT

[XX23a] Qinglan Xia and Shaofeng Xu. Ramified optimal transportation with payoff on the boundary. *SIAM Journal on Mathematical Analysis*, 55(1):186–209, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M1367714`.

Xu:2023:URC

[XX23b] Jiali Xu and Xiang Xu. On uniqueness of recovering coefficients from localized Dirichlet-to-Neumann map for piecewise homogeneous piezoelectricity. *SIAM Journal on Mathematical Analysis*, 55(2):571–602, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1447957`.

Xu:2021:TDG

[XY21] Gang Xu and Huicheng Yin. Three-dimensional global supersonic Euler flows in the infinitely long divergent nozzles. *SIAM Journal on Mathematical Analysis*, 53(1):133–180, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Xia:2024:MSC

[XZ24] Jiankang Xia and Xu Zhang. Multibump solutions for critical Choquard equation. *SIAM Journal on Mathematical Analysis*, 56(3):3832–3860, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M1581820`.

Xin:2024:GWP

[XZZ24] Zhouping Xin, Liqun Zhang, and Junning Zhao. Global well-posedness and regularity of weak solutions to the Prandtl's system. *SIAM Journal on Mathematical Analysis*, 56(3):3042–3081, May 2024. CODEN SJMAAH. ISSN 1095-7154.

Yamazaki:2022:NLT

[Yam22] Kazuo Yamazaki. NonUniqueness in law for two-dimensional Navier–Stokes equations with diffusion weaker than a full Laplacian. *SIAM Journal on Mathematical Analysis*, 54 (4):3997–4042, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1451087`.

Yan:2021:IBP

[Yan21a] Lili Yan. Inverse boundary problems for biharmonic operators in transversally anisotropic geometries. *SIAM Journal on Mathematical Analysis*, 53(6):6617–6653, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2021:SFB

[Yan21b] Ruoxuan Yang. Shock formation of the Burgers–Hilbert equation. *SIAM Journal on Mathematical Analysis*, 53(5): 5756–5802, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yao:2022:NSL

[YCRS22] Shuai Yao, Haibo Chen, Vicentiu D. Radulescu, and Juntao Sun. Normalized solutions for lower critical Choquard equations with critical Sobolev perturbation. *SIAM Journal on Mathematical Analysis*, 54(3):3696–3723, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1463136`.

Yang:2021:PMS

[YGD21] Jiaqi Yang, Joan Gimeno, and Rafael De la Llave. Parameterization method for state-dependent delay perturbation of an ordinary differential equation. *SIAM Journal on Mathematical Analysis*, 53(4): 4031–4067, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yan:2022:IVP

[YL22] Kan Yan and Yue Liu. The initial-value problem to the modified two-component Euler–Poincaré equations. *SIAM Journal on Mathematical Analysis*, 54(2):2006–2039, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/20M138274X`.

Yoshizawa:2021:REG

[Yos21] Kensuke Yoshizawa. A remark on elastic graphs with the symmetric cone obstacle. *SIAM Journal on Mathematical Analysis*, 53(2):1857–1885, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yuan:2023:PVS

[Yua23] Qian Yuan. Planar viscous shocks with periodic perturbations for scalar multidimensional viscous conservation laws. *SIAM Journal on Mathematical Analysis*, 55 (3):1499–1523, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1462453`.

Yuan:2022:PPC

[YY22] Qian Yuan and Yuan Yuan. Periodic perturbations of a composite wave of two viscous shocks for 1-d full compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 54(3):2876–2905, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-

7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1421489.

Yu:2024:GWPb

[YY24] Xueying Yu and Haitian Yue. On the global well-posedness for the periodic quintic nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 56(2):1851–1902, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Yu:2021:GWP

[YYZ21] Xueying Yu, Haitian Yue, and Zehua Zhao. Global well-posedness for the focusing cubic NLS on the product space $\mathbf{R} \times \mathbf{T}^3$. *SIAM Journal on Mathematical Analysis*, 53(2): 2243–2274, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yu:2024:GWPa

[YYZ24] Xueying Yu, Haitian Yue, and Zehua Zhao. Global well-posedness and scattering for fourth-order Schrödinger equations on waveguide manifolds. *SIAM Journal on Mathematical Analysis*, 56(1):1427–1458, February 2024. CODEN SJMAAH. ISSN 1095-7154.

Yao:2021:ASS

[YZ21] Huancheng Yao and Changjiang Zhu. Asymptotic stability of the superposition of viscous contact wave with rarefaction waves for the compressible Navier–Stokes–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 53(5):6122–6163, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yao:2024:AHE

[YZ24] Luming Yao and Lun Zhang. Asymptotics of the hard edge Pearcey determinant. *SIAM Journal on Mathematical Analysis*, 56(1):137–172, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Yang:2022:DTS

[YZZ22] Kai Yang, Chongchun Zeng, and Xiaoyi Zhang. Dynamics of threshold solutions for energy critical NLS with inverse square potential. *SIAM Journal on Mathematical Analysis*, 54(1):173–219, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1406003.

Zeng:2023:GSP

[Zen23] Huihui Zeng. Global solution to the physical vacuum problem of compressible Euler equations with damping and gravity. *SIAM Journal on Mathematical Analysis*, 55(6):6375–6424, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Zhang:2021:ATS

[Zha21] Yiping Zhang. Approximate two-sphere one-cylinder inequality in parabolic periodic homogenization. *SIAM Journal on Mathematical Analysis*, 53(5):5835–5852, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2022:SLS

[Zha22] Deng Zhang. Strichartz and local smoothing estimates for stochastic dispersive equations with linear multiplicative noise. *SIAM Journal on Mathematical Analysis*, 54 (6):5981–6017, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1426304`.

Zhao:2023:MIP

[Zha23] Jiefeng Zhao. Mild ill-posedness for 2D magneto-micropolar fluid equations near a background magnetic field. *SIAM Journal on Mathematical Analysis*, 55(5):5967–5992, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1469432`.

Zhou:2022:GSV

[Zho22] Wenshu Zhou. Global solvability and vanishing shear viscosity limit for a simplified compressible Navier–Stokes system with temperature-dependent viscosity. *SIAM Journal on Mathematical Analysis*, 54 (4):4865–4890, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/22M1477441`.

Zhu:2021:VAH

[Zhu21] Yuzhe Zhu. Velocity averaging and Hölder regularity for kinetic Fokker–Planck equations with general transport operators and rough coefficients. *SIAM Journal on Mathematical Analysis*, 53(3):2746–2775, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2024:SAE

[ZHY24] Ruixi Zhang, Qian Huang, and Wen-An Yong. Stability analysis of an extended quadrature method of moments for kinetic equations. *SIAM Journal on Mathematical Analysis*, 56(4):4687–4711, ???? 2024. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/23M157911X`.

Zeng:2024:NDP

[ZiDRdW24] Shengda Zeng, Vicen iu D. R. dulescu, and Patrick Winkert. Nonlocal double phase implicit obstacle problems with multivalued boundary conditions. *SIAM Journal on Mathematical Analysis*, 56(1):877–912, January 2024. CODEN SJMAAH. ISSN 1095-7154.

Zillinger:2023:ECL

[Zil23] Christian Zillinger. On echo chains in the linearized Boussinesq equations around traveling waves. *SIAM Journal on Mathematical Analysis*, 55 (5):5127–5188, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1458053`.

Zhai:2020:GLS

[ZLZ20] Xiaoping Zhai, Yongsheng Li, and Fujun Zhou. Global large solutions to the three dimensional compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 52(2):1806–1843, ???? 2020. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ze:2024:GDP

[ZQ24] Li Ze and Changzheng Qu. Global dynamics to the periodic ferromagnetic spin chain system. *SIAM Journal on Mathematical Analysis*, 56(2): 1672–1726, March 2024. CODEN SJMAAH. ISSN 1095-7154.

Zeng:2022:DPI

[ZRW22] Shengda Zeng, Vicentiu D. Radulescu, and Patrick Winkert. Double phase implicit obstacle problems with convection and multivalued mixed boundary value conditions. *SIAM Journal on Mathematical Analysis*, 54(2):1898–1926, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https://epubs.siam.org/doi/10.1137/21M1441195`.

Zhang:2021:ABB

[ZZ21a] Lei Zhang and Xiao-Qiang Zhao. Asymptotic behavior of the basic reproduction ratio for periodic reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 53(6): 6873–6909, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhao:2021:LTD

[ZZ21b] Zehua Zhao and Jiqiang Zheng. Long time dynamics for defocusing cubic nonlinear Schrödinger equations on three dimensional product space. *SIAM Journal on Mathematical Analysis*, 53(3):3644–3660, ???? 2021. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhai:2023:STC

[ZZ23a] Cuili Zhai and Weiren Zhao. Stability threshold of the Couette flow for Navier–Stokes Boussinesq system with large Richardson number $\gamma^2 > 1/4$. *SIAM Journal on Mathematical Analysis*, 55(2):1284–1318, ???? 2023. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL `https:`

//epubs.siam.org/doi/10.1137/22M1495160.

Zhang:2023:GRR

[ZZ23b] Junhao Zhang and Huijiang Zhao. Global regularity for a radiation hydrodynamics model with viscosity and thermal conductivity. *SIAM Journal on Mathematical Analysis*, 55(6):6229–6261, November 2023. CODEN SJMAAH. ISSN 1095-7154.

Zeng:2022:LSC

[ZZZ22a] Lan Zeng, Zhifei Zhang, and Ruizhao Zi. Linear stability of the Couette flow in the 3D isentropic compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 54(5):5698–5741, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/21M1438499.

Zhang:2022:SRW

[ZZZ22b] Lan Zhang, Huijiang Zhao, and Qingsong Zhao. Stability of rarefaction waves of the compressible Navier–Stokes–Poisson system with large initial perturbation. *SIAM Journal on Mathematical Analysis*, 54(4):4536–4571, ???? 2022. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL https://epubs.siam.org/doi/10.1137/22M1473534.