

# math-ph 文献リスト

Toshiya Tanaka

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## References

- [AFHRA22] H. Amirzadeh-Fard, G. Haghighatdoost, and A. Rezaei-Aghdam, *Integrable bi-hamiltonian systems by jacobi structure on real three-dimensional lie groups*, 2022. <https://arxiv.org/abs/2203.06377>.
- [AFM22] G. Angelone, P. Facchi, and G. Marmo, *Hearing the shape of a quantum boundary condition*, [arXiv:2204.10248](https://arxiv.org/abs/2204.10248) [quant-ph].
- [AGMM22] K. Abdaoui, R. Gharbi, S. Mabrouk, and A. Makhlouf, *Cohomology and formal deformations of n-hom-lie color algebras*, 2022. [arXiv:2205.08341](https://arxiv.org/abs/2205.08341) [math.RA].
- [AZ22] K. Atalikov and A. Zotov, *Higher rank 1+1 integrable Landau-Lifshitz field theories from associative Yang-Baxter equation*, [arXiv:2204.12576](https://arxiv.org/abs/2204.12576) [math-ph].
- [Bar19] L. Barth, *A mathematical framework to compare classical field theories*, 2019. [arXiv:1910.08614](https://arxiv.org/abs/1910.08614) [math-ph].
- [BC22] A. Bols and C. Cedzich, *Absolutely continuous edge spectrum of topological insulators with an odd time-reversal symmetry*, 2022. <https://arxiv.org/abs/2203.05474>.
- [BCR04] N. A. Baas, R. L. Cohen, and A. Ramirez, *The topology of the category of open and closed strings*, 2004. [arXiv:math/0411080](https://arxiv.org/abs/math/0411080) [math.AT].
- [BDRFJ22] S. Bachmann, W. De Roeck, M. Fraas, and T. Jappens, *A classification of G-charge Thouless pumps in 1D invertible states*, [arXiv:2204.03763](https://arxiv.org/abs/2204.03763) [math-ph].
- [BF20] A. Boukas and P. Feinsilver, *Spectral theorem approach to the characteristic function of quantum observables*, 2020. [arXiv:2007.01527](https://arxiv.org/abs/2007.01527) [math-ph].
- [BFS21] S. Bruinsma, C. J. Fewster, and A. Schenkel, *Relative Cauchy evolution for linear homotopy AQFTs*, [arXiv:2108.10592](https://arxiv.org/abs/2108.10592) [math-ph].
- [BGK<sup>+</sup>22] G. Baverez, C. Guillarmou, A. Kupiainen, R. Rhodes, and V. Vargas, *The virasoro structure and the scattering matrix for liouville conformal field theory*, 2022. <https://arxiv.org/abs/2204.02745>.
- [BH22] J. Branahl and A. Hock, *A spectral curve for the generation of bipartite maps in topological recursion*, 2022. [arXiv:2204.05181](https://arxiv.org/abs/2204.05181) [math-ph].
- [BK22] N. Bhoja and K. Krasnov, *Notes on Spinors and Polyforms II: Quaternions and Octonions*, [arXiv:2205.05447](https://arxiv.org/abs/2205.05447) [math-ph].
- [BKS20] G. Borot, R. Kramer, and Y. Schüler, *Higher airy structures and topological recursion for singular spectral curves*, 2020. <https://arxiv.org/abs/2010.03512>.
- [BM22] A. Black and T. Malinovitch, *Scattering for schrödinger operators with potentials concentrated near a subspace*, 2022. <https://arxiv.org/abs/2204.00712>.
- [Bou22] A. Boukas, *Spectral theorem approach to the characteristic function of quantum observables ii*, 2022. [arXiv:2204.10528](https://arxiv.org/abs/2204.10528) [math-ph].
- [Bur22] A. Burchardt, *Symmetry and classification of multipartite entangled states*, 2022. [arXiv:2204.13441](https://arxiv.org/abs/2204.13441) [quant-ph].
- [Car21] V. Carmona, *New model structures for algebraic quantum field theory*, 2021. <https://arxiv.org/abs/2107.14176>.

- [CC22] A. Cabrera and M. Cueva, *Dimensional reduction of courant sigma models and lie theory of poisson groupoids*, 2022. <https://arxiv.org/abs/2204.07193>.
- [CCGFG22] S. Charbonnier, N. K. Chidambaram, E. Garcia-Failde, and A. Giacchetto, *Shifted witten classes and topological recursion*, 2022. <https://arxiv.org/abs/2203.16523>.
- [CCN22] H. A. Camargo, P. Caputa, and P. Nandy, *Q-curvature and path integral complexity*, *JHEP* **04** (2022) 081, [arXiv:2201.00562](https://arxiv.org/abs/2201.00562) [hep-th].
- [CD22] L.-P. Chaintron and A. Diez, *Propagation of chaos: a review of models, methods and applications. i. models and methods*, 2022. [arXiv:2203.00446](https://arxiv.org/abs/2203.00446) [math.PR].
- [CEK<sup>+</sup>22] K. D. Cherednichenko, Y. Y. Ershova, A. V. Kiselev, V. A. Ryzhov, and L. O. Silva, *Asymptotic analysis of operator families and applications to resonant media*, 2022. <https://arxiv.org/abs/2204.01199>.
- [Cha20] L. Charles, *Landau levels on a compact manifold*, 2020. <https://arxiv.org/abs/2012.14190>.
- [CJN21] F. Camia, J. Jiang, and C. M. Newman, *Ising model with curie-weiss perturbation*, 2021. <https://arxiv.org/abs/2111.05146>.
- [CLM21] L. Corcoran, F. Loebbert, and J. Miczajka, *Yangian Ward Identities for Fishnet Four-Point Integrals*, [arXiv:2112.06928](https://arxiv.org/abs/2112.06928) [hep-th].
- [CMG19] M. Calixto, A. Mayorgas, and J. Guerrero, *Quantization on Grassmann phase spaces  $U(N)/U(M) \times U(N-M)$  and rectangular  $M \times f$  Young tableaux with applications to  $U(N)$  quantum Hall ferromagnets at filling factor  $\nu = M/f$* , *Symmetry* **14** (2022) 872, [arXiv:1904.06932](https://arxiv.org/abs/1904.06932) [cond-mat.mes-hall].
- [Cos22] O. Cosserat, *Symplectic groupoids for poisson integrators*, 2022. [arXiv:2205.04838](https://arxiv.org/abs/2205.04838) [math.DG].
- [CRV21] S. Crawford, K. Rejzner, and B. Vicedo, *Lorentzian 2d cft from the paft perspective*, 2021. [arXiv:2107.12347](https://arxiv.org/abs/2107.12347) [math-ph].
- [CRV22] ———, *Chirality in 2d paft*, 2022. [arXiv:2205.01003](https://arxiv.org/abs/2205.01003) [math-ph].
- [d’A22] L. P. d’Andecy, *Fusion for the yang-baxter equation and the braid group*, 2022. <https://arxiv.org/abs/2204.03483>.
- [DA22] A. Dargys and A. Acus, *Exponential and logarithm of multivector in low dimensional ( $n=p+q \leq 3$ ) clifford algebras*, 2022. <https://arxiv.org/abs/2204.04896>.
- [Dec22] P.-P. Dechant, *Root systems & clifford algebras: from symmetries of viruses to  $e_8$  & ade correspondences*, 2022. [arXiv:2204.05718](https://arxiv.org/abs/2204.05718) [math-ph].
- [DFN22] B. B. Dilem, J. C. Fabris, and J. A. Nogueira, *Self-adjoint extensions for a  $p^4$ -corrected Hamiltonian of a particle on a finite interval*, [arXiv:2204.00687](https://arxiv.org/abs/2204.00687) [math-ph].
- [DGRW20] J. Davighi, B. Gripaios, and O. Randal-Williams, *Differential cohomology and topological actions in physics*, 2020. <https://arxiv.org/abs/2011.05768>.
- [Dim22] J. Dimock, *Stability for qed in  $d=3$ : an overview*, 2022. <https://arxiv.org/abs/2204.07201>.
- [DS22] M. Duerinckx and C. Shirley, *Cherenkov radiation with massive bosons and quantum friction*, 2022. <https://arxiv.org/abs/2204.00557>.
- [DT21] X. Ding and T. Trogdon, *A riemann–hilbert approach to the perturbation theory for orthogonal polynomials: Applications to numerical linear algebra and random matrix theory*, 2021. <https://arxiv.org/abs/2112.12354>.
- [EG22] C. Elliott and O. Gwilliam, *Framed  $n$ -algebras from quantum field theory*, 2022. <https://arxiv.org/abs/2204.03702>.
- [Fau22] M. Faulhuber, *Time-frequency analysis (lecture notes)*, 2022. <https://arxiv.org/abs/2204.01596>.
- [FL21] R. L. Frank and S. Larson, *On the spectrum of the kronig-penney model in a constant electric field*, 2021. [arXiv:2104.10256](https://arxiv.org/abs/2104.10256) [math-ph].
- [FL22] M. Falconi and N. Leopold, *Derivation of the maxwell-schrödinger equations: A note on the infrared sector of the radiation field*, 2022. <https://arxiv.org/abs/2203.16368>.
- [FMS22] R. L. Frank, K. Merz, and H. Siedentop, *The scott conjecture for large coulomb systems: a review*, 2022. <https://arxiv.org/abs/2204.10081>.

- [For22] P. J. Forrester, *A review of exact results for fluctuation formulas in random matrix theory*, 2022. <https://arxiv.org/abs/2204.03303>.
- [FS22] E. R. Filimoshina and D. S. Shirokov, *On generalization of lipschitz groups and spin groups*, 2022. [arXiv:2205.06045](https://arxiv.org/abs/2205.06045) [math-ph].
- [FSS20] D. Fiorenza, H. Sati, and U. Schreiber, *Twistorial Cohomotopy implies Green-Schwarz anomaly cancellation*, [arXiv:2008.08544](https://arxiv.org/abs/2008.08544) [hep-th].
- [GMPR22] D. Gontier, D. Monaco, and S. Perrin-Roussel, *Symmetric fermi projections and kitaev's table: Topological phases of matter in low dimensions*, *Journal of Mathematical Physics* **63** (2022) 041902.
- [Gou22] J. E. Gough, *Field calculus: quantum and statistical field theory without the feynman diagrams*, 2022. <https://arxiv.org/abs/2203.09296>.
- [GRZ22] T. Gräfnitz, H. Ruddat, and E. Zaslow, *The proper landau-ginzburg potential is the open mirror map*, 2022. [arXiv:2204.12249](https://arxiv.org/abs/2204.12249) [math.AG].
- [Hin22] B. Hinrichs, *Existence of ground states in the infrared-critical spin boson model*, 2022. <https://arxiv.org/abs/2204.00287>.
- [HS22] J. Huxford and S. H. Simon, *Excitations in the Higher Lattice Gauge Theory Model for Topological Phases II: the  $2+1d$  Case*, [arXiv:2204.05341](https://arxiv.org/abs/2204.05341) [cond-mat.str-el].
- [Iwa22] Y. Iwata, *Recurrence formula for any order evolution equations*, 2022. <https://arxiv.org/abs/2204.00744>.
- [Jef22] B. R. F. Jefferies, *On hilbert's sixth problem*, 2022. <https://arxiv.org/abs/2204.07257>.
- [JTD22] L. Jezequel, C. Tauber, and P. Delplace, *Estimating bulk and edge topological indices in finite open chiral chains*, 2022. <https://arxiv.org/abs/2203.17099>.
- [Kab22] Z. Kabluchko, *Lee-yang zeroes of the curie-weiss ferromagnet, unitary hermite polynomials, and the backward heat flow*, 2022. <https://arxiv.org/abs/2203.05533>.
- [KKT22] C. Kiumi, N. Konno, and S. Tamura, *Return probability of quantum and correlated random walks*, 2022. <https://arxiv.org/abs/2203.07674>.
- [Kot22] Y. Koto, *Convergence and analytic decomposition of quantum cohomology of toric bundles*, 2022. [arXiv:2204.06473](https://arxiv.org/abs/2204.06473) [math.AG].
- [LaC15a] J. LaChapelle, *Functional integral approach to  $c^*$ -algebraic quantum mechanics ii: Symplectic quantum mechanics*, 2015. <https://arxiv.org/abs/1506.02985>.
- [LaC15b] J. LaChapelle, *Functional integral approach to  $c^*$ -algebraic quantum mechanics i: Heisenberg and poincaré*, 2015. <https://arxiv.org/abs/1505.08102>.
- [LMZ22] D. Latini, I. Marquette, and Y.-Z. Zhang, *Construction of polynomial algebras from intermediate casimir invariants of lie algebras*, 2022. <https://arxiv.org/abs/2204.06840>.
- [LW22] R. Longo and E. Witten, *A note on continuous entropy*, [arXiv:2202.03357](https://arxiv.org/abs/2202.03357) [math-ph].
- [LZ22] O. Lechtenfeld and D. Zagier, *A hyperbolic kac-moody calogero model*, 2022. <https://arxiv.org/abs/2203.06519>.
- [Mia22] Y. Miao, *Generalised onsager algebra in quantum lattice models*, 2022. <https://arxiv.org/abs/2203.16594>.
- [MNT22] T. Miyao, K. Nishimata, and H. Tominaga, *Rigorous analysis of the effects of electron-phonon interactions on magnetic properties in the one-electron kondo lattice model*, 2022. <https://arxiv.org/abs/2204.08675>.
- [Neg17] A. Neguț, *Agt relations for sheaves on surfaces*, 2017. <https://arxiv.org/abs/1711.00390>.
- [Oni22] A. Onishchik, *Action of vectorial lie superalgebras on some split supermanifolds*, 2022. [arXiv:2204.11036](https://arxiv.org/abs/2204.11036) [math-ph].
- [Pai22] J.-C. Pain, *Sum rules for clebsch-gordan coefficients from group theory and runge-lenz-pauli vector*, 2022. [arXiv:2205.06151](https://arxiv.org/abs/2205.06151) [math-ph].
- [PBHF22] E. Patterson, A. Baas, T. Hosgood, and J. Fairbanks, *A diagrammatic view of differential equations in*

- physics*, 2022. <https://arxiv.org/abs/2204.01843>.
- [Ply22] R. Plymen, *2-spinors via linear algebra*, 2022. [arXiv:2204.12842](https://arxiv.org/abs/2204.12842) [math-ph].
- [Rab20] E. Rabinovich, *Factorization algebras for classical bulk-boundary systems*, 2020. <https://arxiv.org/abs/2008.04953>.
- [Rej20] K. Rejzner, *Bv quantization in perturbative algebraic qft: Fundamental concepts and perspectives*, 4 2020. [arXiv:2004.14272](https://arxiv.org/abs/2004.14272) [math-ph].
- [RTT22] C. Raymond, Y. Tanimoto, and J. E. Tener, *Unitary vertex algebras and wightman conformal field theories*, 2022. <https://arxiv.org/abs/2203.10795>.
- [Sav22] M. Savoy, *Combinatorial cobordism theory*, 2022. <https://arxiv.org/abs/2202.13722>.
- [She22] Y. Shenfeld, *Exact renormalization groups and transportation of measures*, 2022. [arXiv:2205.01642](https://arxiv.org/abs/2205.01642) [math-ph].
- [Sie22] H. Siedentop, *Mathematical elements of density functional theory*, 2022. <https://arxiv.org/abs/2203.14069>.
- [Suz76] M. Suzuki, *Generalized Trotter’s formula and systematic approximants of exponential operators and inner derivations with applications to many-body problems*, *Communications in Mathematical Physics* **51** (1976) 183 – 190.
- [Tag22] T. Tagawa, *A rellich type theorem for the generalized oscillator*, 2022. <https://arxiv.org/abs/2203.09203>.
- [Tak22] K. Takasaki, *Extended lattice gelfand-dickey hierarchy*, 2022. <https://arxiv.org/abs/2203.06621>.
- [TY22] X. Tang and J. Yan, *Calabi-yau/landau-ginzburg correspondence for weil-peterson metrics and  $tt^*$  structures*, 2022. [arXiv:2205.05791](https://arxiv.org/abs/2205.05791) [math-ph].
- [Var22] V. V. Varlamov, *Spinors in  $\mathbb{K}$ -hilbert spaces*, 2022. [arXiv:2204.10808](https://arxiv.org/abs/2204.10808) [math-ph].
- [vN21] J. van Neerven, *Functional analysis*, 2021. <https://arxiv.org/abs/2112.11166>.
- [Wau22] M. Waurick, *Nonlocal  $h$ -convergence for topologically nontrivial domains*, 2022. [arXiv:2204.12315](https://arxiv.org/abs/2204.12315) [math.AP].
- [Wen22] C. Wendlandt, *The restricted quantum double of the yangian*, 2022. <https://arxiv.org/abs/2204.00983>.
- [Wig39] E. P. Wigner, *On Unitary Representations of the Inhomogeneous Lorentz Group*, *Annals Math.* **40** (1939) 149–204.
- [WT22] X.-B. Wang and S.-F. Tian, *Inverse scattering transform of the general coupled hirota system with nonzero boundary conditions*, 2022. <https://arxiv.org/abs/2203.09699>.
- [WY22] M. Wang and G. Yan, *Homotopy transfer for qft on non-compact manifold with boundary: a case study*, 2022. <https://arxiv.org/abs/2203.09071>.
- [Xu91] P. Xu, *Morita equivalence of Poisson manifolds*, *Communications in Mathematical Physics* **142** (1991) 493 – 509.
- [Yan22] D. Yang, *Gue via frobenius manifolds. i. from matrix gravity to topological gravity and back*, 2022. [arXiv:2205.01618](https://arxiv.org/abs/2205.01618) [math-ph].
- [Zaj22] M. Zając, *The tulczyjew triple for gauge field theories*, 2022. <https://arxiv.org/abs/2204.00561>.
- [Zel22] E. I. Zelenov,  *$p$ -adic quantum calculus and ideals of compact operators*, 2022. [arXiv:2205.07977](https://arxiv.org/abs/2205.07977) [math-ph].
- [Zhu22] Y. Zhu, *Bimodules associated to twisted modules of vertex operator algebras*, 2022. <https://arxiv.org/abs/2204.00238>.