## 論文リスト (Publication List)

大田武志 (Takeshi Oota)

- Hiroshi Itoyama and Takeshi Oota, "Neutral Excitations and Others in the Sine-Gordon Theory," Progress of Theoretical Physics Supplement No.114 (1993) 41-51.
- [2] H. Itoyama and T. Oota, "Sine-Gordon theory with higher-spin N=2 supersymmetry and the massless limit," Nuclear Physics B 419 (1994) 632-646.
- [3] Takeshi Oota, "Functional equations of form factors for diagonal scattering theories," Nuclear Physics B **466** (1996) 361-382.
- [4] N. Fumita, H. Itoyama and T. Oota, "Motions of the string solutions in the XXZ spin chain under a varying twist," International Journal of Modern Physics A: Mathematical and General 12 (1997) 801-838.
- [5] Vladimir E. Korepin and Takeshi Oota, "Scattering of plane waves in self-dual Yang-Mills theory," Journal of Physics A: Mathematical and General 29 (1996) L625-L628.
- [6] Vladimir E. Korepin and Takeshi Oota, "Relation between Classical Self-Dual Yang-Mils Equation and Quantum Inverse Scattering Method," in Eds. E. Date, T. Miwa and M. Okado, *INFINITE ANALYSIS, Integrable Systems and Representation Theory*, IIAS Reports No.1997-001 (1997) 59-69.
- [7] Takeshi Oota, "q-deformed Coxeter element in non-simply laced affine Toda field theories," Nuclear Physics B 504 (1997) 738-752.
- [8] Vladimir E. Korepin and Takeshi Oota, "The Determinant Representation for a Correlation Function in Scaling Lee-Yang Model," Journal of Physics A: Mathematical and General **31** (1998) L371-L380.
- [9] Takeshi Oota, "Two-point correlation functions in perturbed minimal models," Journal of Physics A: Mathematical and General **31** (1998) 7611-7626.
- [10] Masafumi Fukuma, Takeshi Oota and Hirokazu Tanaka, "Comments on T-dualities of Ramond-Ramond Potentials," Progress of Theoretical Physics 103 (2000) 425-446.
- [11] Masafumi Fukuma, Takeshi Oota and Hirokazu Tanaka, "Weyl Groups in AdS<sub>3</sub>/CFT<sub>2</sub>," Progress of Theoretical Physics **103** (2000) 447-462.

- [12] H. Itoyama and T. Oota, "Normalization of off-shell boundary state, g-function and zeta function regularization," Journal of Physics A: Mathematical and General 35 (2002) 9395-9414.
- [13] Takeshi Oota, "Quantum projectors and local operators in lattice integrable models," Journal of Physics A: Mathematical and General 37 (2004) 441-452.
- [14] Takeshi Oota, "Comments on Equations of Motion for Pure Spinors in Even Dimensions," preprint hep-th/0411036.
- [15] Takeshi Oota and Yukinori Yasui, "Toric Sasaki-Einstein manifolds and Heun equations," Nuclear Physics B 742 (2006) 275-294.
- [16] Takeshi Oota and Yukinori Yasui, "Explicit toric metric on resolved Calabi-Yau cone," Physics Letters B 639 (2006) 54-56.
- [17] Takeshi Oota and Yukinori Yasui, "New Example of Infinite Family of Quiver Gauge Theories," Nuclear Physics B 762 (2007) 377-391.
- [18] H. Itoyama and T. Oota, "The  $AdS_5 \times S^5$  superstrings in the generalized light-cone gauge," Progress of Theoretical Physics **117** (2007) 957-972.
- [19] Naoki Hamamoto, Tsuyoshi Houri, Takeshi Oota and Yukinori Yasui, "Kerr-NUTde Sitter Curvature in All Dimensions," Journal of Physics A: Mathematical and Theoretical 40 (2007) F177-F184.
- [20] Tsuyoshi Houri, Takeshi Oota and Yukinori Yasui, "Closed conformal Killing-Yano tensor and geodesic integrability," Journal of Physics A: Mathematical and Theoretical 41 (2008) 025204.
- [21] Tsuyoshi Houri, Takeshi Oota and Yukinori Yasui, "Closed conformal Killing-Yano tensor and Kerr-NUT-de Sitter spacetime uniqueness," Physics Letters B 656 (2007) 214-216.
- [22] Takeshi Oota and Yukinori Yasui, "Separability of Dirac equation in higher dimensional Kerr-NUT-de Sitter spacetime," Physics Letters B 659 (2008) 688-693.
- [23] Hiroshi Itoyama, Takeshi Oota and Reiji Yoshioka, "Nambu-Goto Like Action for the  $AdS_5 \times S^5$  Superstrings in the Generalized Light-Cone Gauge," Progress of Theoretical Physics **119** (2008) 323-338.
- [24] Tsuyoshi Houri, Takeshi Oota and Yukinori Yasui, "Generalized Kerr-NUT-de Sitter metrics in all dimensions," Physics Letters B 666 (2008) 391-394.

- [25] Tsuyoshi Houri, Takeshi Oota and Yukinori Yasui, "Closed conformal Killing-Yano tensor and uniqueness of generalized Kerr-NUT-de Sitter spacetime," Classical and Quantum Gravity 26 (2009) 045015 (18pp).
- [26] Takeshi Oota and Yukinori Yasui, "Separability of gravitational perturbation in generalized Kerr-NUT-de Sitter spacetime," International Journal of Modern Physics A 15 (2010) 3055-3094.
- [27] Hiroshi Itoyama, Kazunobu Maruyoshi and Takeshi Oota, "The Quiver Matrix Model and 2d-4d Conformal Connection," Progress of Theoretical Physics 123 (2010) 957-987.
- [28] Hiroshi Itoyama and Takeshi Oota, "Method of Generating q-Expansion Coefficients for Conformal Block and  $\mathcal{N} = 2$  Nekrasov Function by  $\beta$ -Deformed Matrix Model" Nuclear Physics B 838 [PM] (2010) 298-330.
- [29] Hiroshi Itoyama, Takeshi Oota and Nobuhiro Yonezawa, "Massive Scaling Limit of  $\beta$ -Deformed Matrix Model of Selberg Type," Physical Review D 82 085031 (2010).
- [30] Hiroshi Itoyama and Takeshi Oota, " $A_n^{(1)}$  Affine Quiver Matrix Model," Nuclear Physics B 852 (2011) 336-351.
- [31] Takeshi Oota, "β-deformed matrix models and Nekrasov partition function," Internal Journal of Modern Physics: Conference Series 21 (2013) 92-100.
- [32] Hiroshi Itoyama, Takeshi Oota and Reiji Yoshioka, "2d-4d connection between q-Virasoro/W block at root of unity limit and instanton partition function on ALE space," Nuclear Physics B 877 (2013) 506-537.
- [33] H. Itoyama, T. Oota and R. Yoshioka, "q-Virasoro algebra at root of unity limit and 2d-4d connection," Journal of Physics: Conference Series 474 (2013) 012022 [13 pages].
- [34] H. Itoyama, T. Oota and R. Yoshioka, "q-Virasoro/W algebra at root of unity and parafermions," Nuclear Physics B 889 (2014) 25-35.
- [35] H. Itoyama, T. Oota and R. Yoshioka, "q-Vertex Operator from 5D Nekrasov Function," Journal of Physics A: Mathematical and Theoretical 49 (2016) no.34, 345201.
- [36] H. Itoyama, T. Oota, T. Suyama and R. Yoshioka, "Cubic constraints for the resolvents of the ABJM matrix model and its cousins," International Journal of Modern Physics A 32 (2017) no.11, 1750056.

- [37] H. Itoyama, T. Oota and R. Yoshioka, "Elliptic algebra, Frenkel-Kac construction and root of unity limit," Journal of Physics A: Mathematical and Theoretical 50 (2017) no.36, 365401.
- [38] H. Itoyama, T. Oota and Katsuya Yano, "Discrete Painlevé system and the double scaling limit of the matrix model for irregular conformal block and gauge theory," Physics Letters B, Volume 789, 10 February 2019, 605-609 (2019).
- [39] H. Itoyama, T. Oota and Katsuya Yano, "Discrete Painlevé system for the partition function of  $N_f = 2 SU(2)$  supersymmetric gauge theory and its double scaling limit," Journal of Physics A: Mathematical and Theoretical, Vol. **52**, Number 41, 415401 (2019), 18 September 2019 (49 pages).
- [40] H. Itoyama, T. Oota and K. Yano, "Discrete Painlevé system associated with Unitary matrix model," Journal of Physics: Conference Series, **1194**, no. 1, 012050 [9 pages] (2019).
- [41] H. Itoyama, T. Oota and K. Yano, "Multicritical points of unitary matrix model with logarithmic potential identified with Argyres-Douglas points," International Journal of Modern Physics A Vol.35, No. 24, 2050146 [12 pages] (2020).
- [42] T. Oota, "Perturbation of multi-critical unitary matrix models, double scaling limits, and Argyres-Douglas theories," Nuclear Physics B 976, 115718 [26 pages], March 2022 (2022).
- [43] H. Itoyama, T. Oota and R. Yoshioka, "Construction of irregular conformal/W block and flavor mass relations of  $\mathcal{N} = 2$  SUSY gauge theory from the  $A_{n-1}$  quiver matrix model," arXiv:2210.16738 [hep-th], preprint.
- [44] H. Itoyama, T. Oota and R. Yoshioka, "A-D hypersurface of  $su(n) \mathcal{N} = 2$  supersymmetric gauge theory with  $N_f = 2n 2$  flavors," arXiv:2212.06590 [hep-th], preprint.