

References

- [1] C. Duhr, A. Klemm, F. Loebbert, C. Nega and F. Porkert, “*Geometry from integrability: multi-leg fishnet integrals in two dimensions*”, [JHEP 2407, 008 \(2024\)](#), [arxiv:2402.19034](#).
- [2] C. Duhr, A. Klemm, F. Loebbert, C. Nega and F. Porkert, “*The Basso-Dixon formula and Calabi-Yau geometry*”, [JHEP 2403, 177 \(2024\)](#), [arxiv:2310.08625](#).
- [3] V. Kazakov, F. Levkovich-Maslyuk and V. Mishnyakov, “*Integrable Feynman Graphs and Yangian Symmetry on the Loom*”, [arxiv:2304.04654](#).
- [4] K. C. Rigatos and X. Zhou, “*Yangian Symmetry in Holographic Correlators*”, [Phys. Rev. Lett. 129, 101601 \(2022\)](#), [arxiv:2206.07924](#).
- [5] F. Loebbert and H. Mathur, “*in progress*”.
- [6] C. Duhr, A. Klemm, F. Loebbert, C. Nega and F. Porkert, “*Yangian-Invariant Fishnet Integrals in Two Dimensions as Volumes of Calabi-Yau Varieties*”, [Phys. Rev. Lett. 130, 041602 \(2023\)](#), [arxiv:2209.05291](#).
- [7] V. Kazakov and E. Olivucci, “*The loom for general fishnet CFTs*”, [JHEP 2306, 041 \(2023\)](#), [arxiv:2212.09732](#).
- [8] F. Loebbert, “*Integrability for Feynman integrals*”, [SciPost Phys. Proc. 14, 008 \(2023\)](#), [arxiv:2212.09636](#).
- [9] A. Kristensson, M. Wilhelm and C. Zhang, “*Elliptic Double Box and Symbology Beyond Polylogarithms*”, [Phys. Rev. Lett. 127, 251603 \(2021\)](#), [arxiv:2106.14902](#).
- [10] L. Corcoran, F. Loebbert and J. Miczajka, “*Yangian Ward identities for fishnet four-point integrals*”, [JHEP 2204, 131 \(2022\)](#), [arxiv:2112.06928](#).
- [11] B. Ananthanarayan, S. Banik, S. Friot and S. Ghosh, “*Massive One-loop Conformal Feynman Integrals and Quadratic Transformations of Multiple Hypergeometric Series*”, [Phys. Rev. D 103, 096008 \(2021\)](#), [arxiv:2012.15646](#).
- [12] F. Loebbert, J. Plefka, C. Shi and T. Wang, “*Three-body effective potential in general relativity at second post-Minkowskian order and resulting post-Newtonian contributions*”, [Phys. Rev. D 103, 064010 \(2021\)](#), [arxiv:2012.14224](#).
- [13] L. Corcoran, F. Loebbert, J. Miczajka and M. Staudacher, “*Minkowski Box from Yangian Bootstrap*”, [JHEP 2104, 160 \(2021\)](#), [arxiv:2012.07852](#).
- [14] F. Loebbert, J. Miczajka, D. Müller and H. Münker, “*Yangian Bootstrap for Massive Feynman Integrals*”, [SciPost Phys. 11, 010 \(2021\)](#), [arxiv:2010.08552](#).
- [15] F. Loebbert and J. Miczajka, “*Massive Fishnets*”, [JHEP 2012, 197 \(2020\)](#), [arxiv:2008.11739](#).
- [16] F. Loebbert, J. Miczajka, D. Müller and H. Münker, “*Massive Conformal Symmetry and Integrability for Feynman Integrals*”, [Phys. Rev. Lett. 125, 091602 \(2020\)](#), [arxiv:2005.01735](#).
- [17] B. Ananthanarayan, S. Banik, S. Friot and S. Ghosh, “*Double box and hexagon conformal Feynman integrals*”, [Phys. Rev. D 102, 091901 \(2020\)](#), [arxiv:2007.08360](#).
- [18] F. Loebbert, D. Müller and H. Münker, “*Yangian Bootstrap for Conformal Feynman Integrals*”, [Phys. Rev. D 101, 066006 \(2020\)](#), [arxiv:1912.05561](#).
- [19] A. Pittelli and M. Preti, “*Integrable fishnet from γ -deformed $\mathcal{N} = 2$ quivers*”, [Phys. Lett. B 798, 134971 \(2019\)](#), [arxiv:1906.03680](#).
- [20] F. Loebbert and A. Spiering, “*Nonlocal Symmetries and Factorized Scattering*”, [J. Phys. A 51, 485202 \(2018\)](#), [arxiv:1805.11993](#).
- [21] V. Kazakov and E. Olivucci, “*Biscalar Integrable Conformal Field Theories in Any Dimension*”, [Phys. Rev. Lett. 121, 131601 \(2018\)](#), [arxiv:1801.09844](#).
- [22] D. Chicherin, V. Kazakov, F. Loebbert, D. Müller and D.-l. Zhong, “*Yangian Symmetry for Fishnet Feynman Graphs*”, [Phys. Rev. D 96, 121901 \(2017\)](#), [arxiv:1708.00007](#).
- [23] D. Chicherin, V. Kazakov, F. Loebbert, D. Müller and D.-l. Zhong, “*Yangian Symmetry for Bi-Scalar Loop Amplitudes*”, [JHEP 1805, 003 \(2018\)](#), [arxiv:1704.01967](#).
- [24] O. Mamroud and G. Torrents, “*RG stability of integrable fishnet models*”, [JHEP 1706, 012 \(2017\)](#), [arxiv:1703.04152](#).

- [25] J. a. Caetano, O. Gürdögan and V. Kazakov, “*Chiral limit of $\mathcal{N} = 4$ SYM and ABJM and integrable Feynman graphs*”, [JHEP 1803, 077 \(2018\)](#), [arxiv:1612.05895](#).
- [26] F. Loebbert, “*Lectures on Yangian Symmetry*”, [J. Phys. A 49, 323002 \(2016\)](#), [arxiv:1606.02947](#).
- [27] O. Gürdögan and V. Kazakov, “*New Integrable 4D Quantum Field Theories from Strongly Deformed Planar $\mathcal{N} = 4$ Supersymmetric Yang-Mills Theory*”, [Phys. Rev. Lett. 117, 201602 \(2016\)](#), [arxiv:1512.06704](#), [Addendum: [Phys.Rev.Lett. 117, 259903 \(2016\)](#)].
- [28] J. M. Drummond, J. M. Henn and J. Plefka, “*Yangian symmetry of scattering amplitudes in $N=4$ super Yang-Mills theory*”, [JHEP 0905, 046 \(2009\)](#), [arxiv:0902.2987](#).
- [29] L. F. Alday, J. M. Henn, J. Plefka and T. Schuster, “*Scattering into the fifth dimension of $N=4$ super Yang-Mills*”, [JHEP 1001, 077 \(2010\)](#), [arxiv:0908.0684](#).
- [30] N. Beisert, “*The S-matrix of AdS / CFT and Yangian symmetry*”, [PoS SOLVAY, 002 \(2006\)](#), [arxiv:0704.0400](#).
- [31] N. I. Usyukina and A. I. Davydychev, “*An Approach to the evaluation of three and four point ladder diagrams*”, [Phys. Lett. B 298, 363 \(1993\)](#).