

Magnus and Dyson series for Master Integrals

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Adequate bases of phase space master integrals for $gg \rightarrow h$ at NNLO and beyond. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
2	Three-loop master integrals for ladder-box diagrams with one massive leg. Journal of High Energy Physics, 2014, 2014, 1.	1.6	46
3	From multiple unitarity cuts to the coproduct of Feynman integrals. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
4	Master integrals for the two-loop penguin contribution in non-leptonic B-decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
5	Two-loop planar master integrals for the production of off-shell vector bosons in hadron collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	62
6	The two-loop master integrals for $q\bar{q} \rightarrow W\gamma$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	88
7	Iterative structure of finite loop integrals. Journal of High Energy Physics, 2014, 2014, 1.	1.6	69
8	Integral reduction by unitarity method for two-loop amplitudes: a case study. Journal of High Energy Physics, 2014, 2014, 1.	1.6	3
9	Simplified differential equations approach for Master Integrals. Journal of High Energy Physics, 2014, 2014, 1.	1.6	49
10	Non-planar master integrals for the production of two off-shell vector bosons in collisions of massless partons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	46
11	The two-loop soft function for heavy quark pair production at future linear colliders. Physical Review D, 2015, 92, .	1.6	15
12	Cuts and coproducts of massive triangle diagrams. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
13	Next-to-leading order QCD corrections to the decay width $H \rightarrow Z\beta\beta$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	38
14	Integration-by-parts identities in FDR. Fortschritte Der Physik, 2015, 63, 601-608.	1.5	5
15	Two-loop master integrals for non-leptonic heavy-to-heavy decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	14
16	Lectures on differential equations for Feynman integrals. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 153001.	0.7	146
17	Two-loop QCD corrections to the MSSM Higgs masses beyond the effective-potential approximation. European Physical Journal C, 2015, 75, 61.	1.4	52
18	Two-loop master integrals with the simplified differential equations approach. Journal of High Energy Physics, 2015, 2015, 1.	1.6	23

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19	On the calculation of soft phase space integral. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
20	Reducing differential equations for multiloop master integrals. Journal of High Energy Physics, 2015, 2015, 1.	1.6	155
21	Two-loop master integrals for the mixed EW-QCD virtual corrections to Drell-Yan scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	43
22	Multiloop calculations with differential equations in $\hat{\mu}$ -form. EPJ Web of Conferences, 2016, 125, 05020.	0.1	1
23	Two-loop planar master integrals for Higgs $\hat{\sigma}$ 3 partons with full heavy-quark mass dependence. Journal of High Energy Physics, 2016, 2016, 1.	1.6	84
24	Open dynamics under rapid repeated interaction. Physical Review A, 2016, 94, .	1.0	23
25	Analytic results for planar three-loop integrals for massive form factors. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
26	Simplifying Differential Equations for Multiscale Feynman Integrals beyond Multiple Polylogarithms. Physical Review Letters, 2017, 118, 141602.	2.9	52
27	Two-loop master integrals for the leading QCD corrections to the Higgs coupling to a W pair and to the triple gauge couplings ZW^2 and $\hat{\sigma}^3 - WW^2$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
28	Numerical multi-loop calculations via finite integrals and one-mass EW-QCD Drell-Yan master integrals. Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
29	Double-real corrections at $\mathcal{O}(\alpha_s^2)$ to single gauge boson production. European Physical Journal C, 2017, 77, 1.	1.4	23
30	Two-loop integrals for CP-even heavy quarkonium production and decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	2
31	Spin-dependent quark beam function at NNLO. Physical Review D, 2017, 96, .	1.6	11
32	Master integrals for the NNLO virtual corrections to $\hat{\sigma}_{1/4e}$ scattering in QED: the planar graphs. Journal of High Energy Physics, 2017, 2017, 1.	1.6	50
33	Maximal cuts in arbitrary dimension. Journal of High Energy Physics, 2017, 2017, 1.	1.6	40
34	Transforming differential equations of multi-loop Feynman integrals into canonical form. Journal of High Energy Physics, 2017, 2017, 1.	1.6	66
35	A non-planar two-loop three-point function beyond multiple polylogarithms. Journal of High Energy Physics, 2017, 2017, 1.	1.6	65
36	Three-loop mixed QCD-electroweak corrections to Higgs boson gluon fusion. Physical Review D, 2018, 97, .	1.6	13

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37	Two-loop master integrals for heavy-to-light form factors of two different massive fermions. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
38	Two-loop amplitudes for processes $gg \rightarrow Hg$, $qg \rightarrow Hq$ and $q\bar{q} \rightarrow Hg$ at large Higgs transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
39	Two-loop integrals for CP-even heavy quarkonium production and decays: elliptic sectors. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
40	The HiggsTools handbook: a beginners guide to decoding the Higgs sector. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 065004.	1.4	10
41	Algorithmic transformation of multi-loop master integrals to a canonical basis with CANONICA. Computer Physics Communications, 2018, 222, 295-312.	3.0	75
42	Analytic results for the planar double box integral relevant to top-pair production with a closed top loop. Journal of High Energy Physics, 2018, 2018, 1.	1.6	51
43	Planar master integrals for the two-loop light-fermion electroweak corrections to Higgs plus jet production. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
44	On $\hat{1}/4e$ -scattering at NNLO in QED. EPJ Web of Conferences, 2018, 179, 01014.	0.1	4
45	Master integrals for the NNLO virtual corrections to $\hat{1}/4e$ scattering in QED: the non-planar graphs. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43
46	Two-loop master integrals for the planar QCD massive corrections to di-photon and di-jet hadro-production. Journal of High Energy Physics, 2018, 2018, 1.	1.6	27
47	Evaluating multi-loop Feynman integrals numerically through differential equations. Journal of High Energy Physics, 2019, 2019, 1.	1.6	16
48	Exact top Yukawa corrections to Higgs boson decay into bottom quarks. Physical Review D, 2019, 99, .	1.6	21
49	Master integrals for the NNLO virtual corrections to $q\bar{q} \rightarrow t\bar{t}$ scattering in QCD: the non-planar graphs. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
50	Master Integrals for the two-loop, non-planar QCD corrections to top-quark pair production in the quark-annihilation channel. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
51	Exact Rank Reduction of Network Models. Physical Review X, 2019, 9, .	2.8	0
52	A Four-Point Function for the Planar QCD Massive Corrections to Top-Antitop Production in the Gluon-Fusion Channel. Texts and Monographs in Symbolic Computation, 2019, , 93-106.	0.4	0
53	Decomposition of Feynman integrals on the maximal cut by intersection numbers. Journal of High Energy Physics, 2019, 2019, 1.	1.6	72
54	Towards a new approximation for pair-production and associated-production of the Higgs boson. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24

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56	Theory for muon-electron scattering @ 10Åppm. European Physical Journal C, 2020, 80, 1.	1.4	38
57	NNLO QED contribution to the $\hat{\mu}e \hat{\mu}' \hat{\mu}e$ elastic scattering. EPJ Web of Conferences, 2020, 234, 01015.	0.1	2
58	Master integrals for two-loop QCD corrections to quark quasi PDFs. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
59	Linear optical approach to supersymmetric dynamics*. Chinese Physics B, 2020, 29, 014209.	0.7	0
60	Next-to-leading order corrections to light-quark mixed QCD-EW contributions to Higgs boson production. Physical Review D, 2021, 103, .	1.6	17
61	Decomposition of Feynman integrals by multivariate intersection numbers. Journal of High Energy Physics, 2021, 2021, 1.	1.6	38
62	Loop-tree duality from vertices and edges. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
63	Lotty “ The loop-tree duality automation. European Physical Journal C, 2021, 81, 1.	1.4	13
64	All loop structures in supergravity amplitudes on $AdS_{5 \times 5} - S^5$ from CFT. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 324002.	0.7	15
65	Leading singularities in Baikov representation and Feynman integrals with uniform transcendental weight. Journal of High Energy Physics, 2021, 2021, 1.	1.6	17
66	Collider physics at the precision frontier. Physics Reports, 2021, 922, 1-69.	10.3	89
67	Co-Homology of Differential Forms and Feynman Diagrams. Universe, 2021, 7, 328.	0.9	7
68	Analytic two-loop master integrals for tW production at hadron colliders: I. Chinese Physics C, 0, , .	1.5	8
69	Top-induced contributions to $H \hat{\mu}' \overline{b} \hat{\mu}$ and $H \hat{\mu}' \overline{c} \hat{\mu}$ at $\mathcal{O}(\alpha_s^3)$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
71	Two-loop QCD-EW master integrals for Z plus jet production at large transverse momentum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	0
73	NNLO virtual and real leptonic corrections to muon-electron scattering. Journal of High Energy Physics, 2021, 2021, 1.	1.6	11
74	Two-Loop Four-Fermion Scattering Amplitude in QED. Physical Review Letters, 2022, 128, 022002.	2.9	11

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75	On epsilon factorized differential equations for elliptic Feynman integrals. Journal of High Energy Physics, 2022, 2022, 1.	1.6	8
76	Two-photon exchange in leptophilic dark matter scenarios. Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
77	Two-loop amplitude for mixed QCD-EW corrections to $gg \rightarrow Hg$. Journal of High Energy Physics, 2022, 2022, .	1.6	5
78	Planar three-loop master integrals for $2 \rightarrow 2$ processes with one external massive particle. Journal of High Energy Physics, 2022, 2022, .	1.6	5
79	N^3LO calculations for $2 \rightarrow 2$ processes using simplified differential equations. SciPost Physics Proceedings, 2022, .	0.2	0
80	Baikov representations, intersection theory, and canonical Feynman integrals. Journal of High Energy Physics, 2022, 2022, .	1.6	15
81	Transverse-momentum-dependent wave functions and soft functions at one-loop in large momentum effective theory. Journal of High Energy Physics, 2022, 2022, .	1.6	6
82	Two-loop scattering amplitude for heavy-quark pair production through light-quark annihilation in QCD. Journal of High Energy Physics, 2022, 2022, .	1.6	7
83	A study of Feynman integrals with uniform transcendentality weights and their symbology. Journal of High Energy Physics, 2022, 2022, .	1.6	7
84	Muon-electron scattering at NNLO. Journal of High Energy Physics, 2023, 2023, .	1.6	6
85	Two-loop master integrals for a planar topology contributing to $pp \rightarrow t\bar{t} + j$. Journal of High Energy Physics, 2023, 2023, .	1.6	2
86	Beam functions for N-jettiness at N ³ LO in perturbative QCD. Journal of High Energy Physics, 2023, 2023, .	1.6	1
87	Analytic two-loop master integrals for tW production at hadron colliders. Part II. Journal of High Energy Physics, 2023, 2023, .	1.6	2