Multiple Zeta Functions Multiple Polylogarithms And Their Special Values Series On Number Theory And Its Applications Band 12 By Usa Zhao Jianqiang Georgia Southern Univ

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multiple zeta functions multiple polylogarithms and their
May 31st, 2020 - entdecken sie multiple zeta functions multiple polylogarithms and their special values von jianqiang zhao und finden sie ihren buchhändler this is the first introductory book on multiple zeta functions and multiple polylogarithms which are the generalizations of the riemann zeta function and the classical polylogarithms respectively to the multiple variable setting it contains all the'

'citeseerx multiple polylogarithms a brief survey
May 6th, 2020 - multiple polylogarithms generalize the aforementioned nested sums as well as the riemann zeta function and the classical polylogarithm while still retaining many interesting properties their study has led to many beautiful yet unproven conjectures including evaluations at arbitrary depth discovered with the use of recently developed integer'

'single valued multiple polylogarithms and a proof of the
March 21st, 2020 - thus the bloch wigner dilogarithm generalises to two pletely different families of functions contained in the ring of all single valued multiple polylogarithms on the one hand there are the single valued versions of the classical polylogarithms and on the other hand the new family of functions defined here section 2 each family'

'multiple zeta functions multiple polylogarithms and their
May 10th, 2020 - this is the first introductory book on multiple zeta functions and multiple polylogarithms which are the generalizations of the riemann zeta function and the classical polylogarithms respectively to the multiple variable setting it contains all the basic concepts and the important properties of these functions and their special values'

'multiple polylogarithms a brief survey core
September 28th, 2018 - multiple polylogarithms generalize the aforementioned nested sums as well as the riemann zeta function and the classical polylogarithm while still retaining many interesting properties their study has led to many beautiful yet unproven conjectures including evaluations at arbitrary depth discovered with the use of recently developed integer r'

'a reduction formula for length two polylogarithms and some
April 25th, 2020 - special values of multiple polylogarithms when w i 1 for i 1 mare called multiple zeta values indeed the simplest possible example yields the riemann zeta function li n 1 x1 j 1 1 jn n multiple zeta values have been studied in di erent contexts we refer the reader to the excellent website'

'*multiple zeta functions multiple polylogarithms and their*
March 29th, 2020 - remended citation zhao jianqiang 2016 multiple zeta functions multiple polylogarithms and their special values world scientific 12 isbn 9789814689397'

'relations of multiple zeta values and their algebraic
May 15th, 2020 - in addition we discuss the expression of other relations of multiple zeta values via the shuffle and harmonic products on the underlying vector space h of the nonmutative polynomial ring q x y and also using an action of the hopf algebra of quasi symmetric functions on q x y'

'multiple q zeta functions and multiple q polylogarithms
February 27th, 2020 - in our main theorem we show that its limit when q 1 is the ordinary multiple zeta function then we consider some special values of these functions when d 2 at the end of the paper we also propose the q analogs of multiple polylogarithms by using jackson s q iterated integrals and then study some of their properties'

'9789814689397 multiple zeta functions multiple
June 3rd, 2020 - this is the first introductory book on multiple zeta functions and multiple polylogarithms which are the generalizations of the riemann zeta function and the classical polylogarithms respectively to the multiple variable setting'*multiple zeta functions multiple polylogarithms and*
May 7th, 2020 - this is the first introductory book on multiple zeta functions and multiple polylogarithms which are the generalizations of the riemann zeta function and the classical polylogarithms respectively to the multiple variable setting it contains all the basic concepts and the important properties of these functions and their special values'

'authors of references on multiple zeta values and euler sums

May 6th, 2020 - analytic continuation of multiple zeta functions and their values at non positive integers asymptotic expansions of multiple zeta functions and mean values of hurwitz zeta functions m eie explicit evaluations of extended euler sums explicit evaluation of triple euler sums a short proof of the sum formula and its generalization''**polylogarithm**

June 2nd, 2020 - in mathematics the polylogarithm also known as jonquière s function for alfred jonquière is a special function li s z of order s and argument z only for special values of s does the polylogarithm reduce to an elementary function such as the natural logarithm or rational functions in quantum statistics the polylogarithm function appears as the closed form of integrals of the fermi'

'**polylogarithms multiple zeta values and superstring**

May 25th, 2020 - arxiv 1304 7267v1 hep th 26 apr 2013 polylogarithms multiple zeta values and superstring amplitudes johannes broedela oliver schlottererb c and stephan stiebergerd a institutfu rtheoretischephysik ethzu rich 8093zu rich switzerland'

'**q multiple zeta functions and q multiple polylogarithms**

April 22nd, 2020 - we shall define the q analogs of multiple zeta functions and multiple polylogarithms in this paper and study their properties based on the work of kaneko et al and schlesinger respectively 1 introduction and definitions let 0 lt q lt 1 and for any positive integer k define its q analog k k q 1 qk 1 q'

'**title q multiple zeta functions and q multiple polylogarithms**

November 4th, 2016 - abstract we shall define the q analogs of multiple zeta functions and multiple polylogarithms in this paper and study their properties based on the work of kaneko et al and schlesinger respectively''*multiple q zeta functions and multiple q polylogarithms*

May 27th, 2020 - for every positive integer d we define the q analog of multiple zeta function of depth d and study its properties generalizing the work of kaneko et al who dealt with the case d 1 we first analytically continue it to a meromorphic function on ? d with explicit poles in our main theorem we show that its limit when q 1 is the ordinary multiple zeta function then we consider some''**desingularization of plex multiple zeta functions**

June 23rd, 2019 - abstract this paper deals with a multiple version of zeta and l functions both in the plex case and in the p adic case i our motivation in the plex case is to find suitable rigorous meaning of the values of multivariable multiple zeta functions mzfs at non positive integer points a we reveal that mzfs turn to be entire on the whole space after taking the desingularization''**zeta functions topology and quantum physics ebook 2008**

May 24th, 2020 - focuses on various aspects of zeta functions multiple zeta values ohno s relations the riemann hypothesis l functions polylogarithms and their interplay with other disciplines each article starts with an introductory survey leading to the research developments acplished by the contributors'

'**mzfs19 nwi wm149 multiple zeta functions**

May 29th, 2020 - 1 jianqiang zhao multiple zeta functions multiple polylogarithms and their special values series on number theory and its applications 12 world scientific publishing co pte ltd hackensack nj 2016 2 jos e ignacio burgos gil javier fresan with contributions by ulf k uhn mul'

'*q analogs of multiple zeta star values multiple zeta*

April 17th, 2020 - series on number theory and its applications multiple zeta functions multiple polylogarithms and their special values pp 365 417 2016 no access chapter 12 q analogs of multiple zeta star values'

'*multiple zeta functions multiple polylogarithms and their*

April 14th, 2020 - this is the first introductory book on multiple zeta functions and multiple polylogarithms which are the generalizations of the riemann zeta function and the classical polylogarithms respectively to the multiple variable setting it contains all'

'*zeta functions topology and quantum physics springerlink*

May 22nd, 2020 - this volume focuses on various aspects of zeta functions multiple zeta values ohno s relations the riemann hypothesis l functions polylogarithms and their interplay with other disciplines eleven articles on recent advances are written by outstanding experts in the above mentioned fields'

'**komori tsumura on arakawa kaneko zeta functions**

May 14th, 2020 - poly euler polynomials and arakawa kaneko type zeta functions hamahata yoshinori functiones et approximatio mentarii mathematici 2014 on an analog of the arakawa kaneko zeta function and relations of some multiple zeta values umezawa ryota tsukuba journal of mathematics 2018'

'*references on multiple zeta values and euler sums*

May 21st, 2020 - r o vîlceanu the multiple zeta function and the putation of some integrals in pact form an univ craiova ser mat inform 35 2008 182 198 j choi and h m srivastava some applications of the gamma and polygamma functions involving convolutions of the rayleigh functions multiple euler sums and log sine integrals math nachr'

'**zeta functions and polylogarithms**

June 3rd, 2020 - zeta functions and polylogarithms 1 571 formulas zeta functions zeta 198 formulas zeta s a 321 formulas riemannsiegelz 47 formulas lerchphi z s a 273 formulas ramanujantaul 16 formulas ramanujantauz 13 formulas zeta related functions'

'**generalized polylogarithms in maple deepai**

April 25th, 2020 - this paper describes generalized polylogarithms multiple polylogarithms and multiple zeta values along with their implementation in maple 2018 this set of related functions is of interest in high energy physics as well as in number theory''*multiple zeta functions multiple polylogarithms and*

May 12th, 2020 - princeton university library one washington road princeton nj 08544 2098 usa 609 258 1470'

'**multiple zeta functions and polylogarithms over global**

May 21st, 2020 - including theorem 3 the construction of multiple zeta functions is extended to multiple polylogarithms in sections 4 and 5 where theorems 4 and 5 are proven finally we focus on multiple zeta values in section 6 2 background on function fields we follow the de nitions of ros02 and mas06 let fbe a eld''**nsf award search award 1162116 rui multiple**

June 2nd, 2020 - dr zhao will work on a number of problems in arithmetic algebraic geometry and number theory his main focus is on the study of arithmetic geometric and analytic properties of the multiple polylogarithms and the multiple zeta functions which are generalizations of the classical polylogarithms and the riemann zeta function respectively'

'**harmonic sums harmonic polylogarithms special functions**

May 9th, 2020 - harmonic sums harmonic polylogarithms special functions johannes blümlein desy introduction polylogarithms and nielsen integrals poincarø iterated integrals shufe algebra and theory of words harmonic and multiple polylogarithms harmonic sums and mellin transforms multiple zeta values structural relations the basic functions'

'*q multiple zeta functions and q multiple polylogarithms core*

March 26th, 2020 - we shall define the q analogs of multiple zeta functions and multiple polylogarithms in this paper and study their properties based on the work of kaneko et al and schlesinger respectively ment 24 pages we add a section on q iterated integral shuffle relations of q multiple zeta values we also correct some typo'

'*pdf q multiple zeta functions and q multiple polylogarithms*

April 13th, 2020 - multiple q zeta functions and multiple q polylogarithms 197 in de?nition 3 we replace s d k d 1 and k d by s k and n respectively w e now''**multiple zeta values from numbers to motives**

May 31st, 2020 - 3 8 polylogarithms and their monodromy221 c 0000 copyright holder 1 including witten s zeta functions deformation quantization vassiliev knot invariants and the theory of multiple zeta values is a linear bination of multiple zeta values by deposing'

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'**polylogarithms multiple zeta values and the series of**

May 11th, 2020 - polylogarithms multiple zeta values and the series of hjortnaes and comtet notes by tim jameson december 2009 edited by graham jameson with references added march 2014 introduction the polylogarithm function is de ned for jxj lt 1 and any real sby li s x x1 n 1 xn ns 1''*number theory and its applications multiple zeta*

May 16th, 2020 - this is the first introductory book on multiple zeta functions and multiple polylogarithms which are the generalizations of the riemann zeta function and the classical polylogarithms respectively to the multiple variable setting it contains all the basic concepts and the important properties of these functions and their special values''**multiple zeta function**

May 23rd, 2020 - like the riemann zeta function the multiple zeta functions can be analytically continued to be meromorphic functions see for example zhao 1999 when s 1 s k are all positive integers with s 1 gt 1 these sums are often called multiple zeta values mzvs or euler sums these values can also be regarded as special values of the multiple polylogarithms'

'**multiple zeta functions multiple polylogarithms and their**

November 1st, 2019 - multiple zeta functions multiple polylogarithms and their special values series on number theory and its applications book 12 kindle edition by jianqiang zhao download it once and read it on your kindle device pc phones or tablets use features like bookmarks note taking and highlighting while reading multiple zeta functions multiple polylogarithms and their special values series on'

'*zeta functions topology and quantum physics takashi*

May 18th, 2020 - this volume focuses on various aspects of zeta functions multiple zeta values ohno s relations the riemann hypothesis l functions polylogarithms and their interplay with other disciplines eleven articles on recent advances are written by outstanding experts in the above mentioned fields''**polylogarithms multiple zeta values and superstring**

May 12th, 2020 - 814 j broedel et al polylogarithms multiple zeta values and superstring amplitudes one copy of ym subamplitudes therein is replaced by its world sheet correspondent a selberg integral involving an appropriate cyclic product of green s functions this provides a ?eld theoretic intuition for'

'**multi poly bernoulli numbers and related zeta functions**

April 7th, 2020 - we construct and study a certain zeta function which interpolates multi poly bernoulli numbers at nonpositive integers and whose values at positive integers are linear binations of multiple zeta values this function can be regarded as the one to be paired up with the unicode stix x1d709 function defined by arakawa and kaneko we show'

'

Unisa Broucher For 2014

Lisa Renee Jones Forsaken