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To whomsoever it may concern

The following are the details of Number of papers published per teacher in the Journals

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Andrew's Type WP-Bailey Lemma and Its applications	Yashoverdhan Vyas, ShivaniBhatnagar and KalpanaFatawat*	Dept. of Computer Science	Jnanabha	2022	Print ISSN 0304-9892, Online ISSN 2455-7463	https://www.vijnanaparishadofindia.org/jnanabha/volume-52-no-1-2022/52_1_p30

Jñānābha, Vol. 52(1) (2022), (234-245)

ANDREWS' TYPE WP-BAILEY LEMMA AND ITS APPLICATIONS

By

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Abstract

Over the years, the study of Bailey transform, Bailey lemma, Bailey pair, their variants and their applications are the major subjects of interest. Of course, it is due to the efficiency of the Bailey transform and lemma in producing many ordinary and q-hypergeometric identities, multiple series summation and transformation formulas, and the Rogers-Ramanujan type identities. Andrews investigated a WP-Bailey lemma and the pairs with the help of Bailey transform and used it to derive well-known summations and multiple series transformations. In this research paper, we investigate an Andrews' type WP-Bailey lemma and the pairs with the help of First Bailey Type Transform due to Joshi and Vyas. The investigated Andrews' type WP-Bailey lemma is then applied to obtain terminating multiple q-hypergeometric identities and construct the WP-Bailey type chains and a binary tree.

The paper is motivated by the observation that the basic (or q-) series and basic (or q-) polynomials, especially the basic (or q-) gamma and q-hypergeometric functions and basic (or q-) hypergeometric polynomials, are applicable particularly in several diverse areas including number theory, theory of partitions and combinatorial analysis as well as in the study of combinatorial generating functions.

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Discrete analogues of the Erdelyi Type Integrals for Hypergeometric functions	Yashoverdhan Vyas, AnandVerdhanBhatnagar, KalpanaFatawat S.D. Purohit and D.L.Suthar	Dept. of Computer Science	Journal of Mathematics	2022	2314-4629 (Print), ISSN: 2314-4785 (Online)	https://www.hindawi.com/journals/jmath/2022/1568632/

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Journal of Mathematics
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Research Article

Discrete Analogues of the Erdélyi Type Integrals for Hypergeometric Functions

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Title of paper	Name of the author/ s	Department of the teacher	Name of journal	Year of public ation	ISSN number	Link to the recognition in UGC enlistment of the Journal
SUMMATIONS AND TRANSFORMATIONS FOR VERY WELL-POISED HYPERGEOMETRIC FUNCTIONS 2q+5 F 2q+4 (1) AND 2q+7 F 2q+6 (1) WITH ARBITRARY INTEGRAL PARAMETER DIFFERENCES	Yashoverdhan Vyas and Kalpana Fatawat	Dept. of Computer Science	Miskolc Mathematical Notes 23(2):957-973	2022	HU e-ISSN 1787-2413	DOI:10.18514/MMN.2022.3427

Miskolc Mathematical Notes
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HU e-ISSN 1787-2413
DOI: 10.18514/MMN.2022.3427

SUMMATIONS AND TRANSFORMATIONS FOR VERY WELL-POISED HYPERGEOMETRIC FUNCTIONS ${}_{2q+5}F_{2q+4}(1)$ AND ${}_{2q+7}F_{2q+6}(1)$ WITH ARBITRARY INTEGRAL PARAMETER DIFFERENCES

YASHOVERDHAN VYAS AND KALPANA FATAWAT

Received 11 September, 2020

Abstract. The present paper aims to derive summation and transformation formulae for the generalized very well-poised hypergeometric functions ${}_{2q+5}F_{2q+4}(1)$ and ${}_{2q+7}F_{2q+6}(1)$ having arbitrary integral parameter differences. These results are derived with the help of Bailey's transform and the extension of Saalschütz summation theorem for the series ${}_{r+3}F_{r+2}(1)$, where r pairs of parameters differ by positive integers. The particularizations of these generalized identities give classical summation theorems due to Dougall, transformation formula due to Whipple and, other related results. Furthermore, the application of ${}_{2q+5}F_{2q+4}(1)$ summation to the limiting case, when $q \to 1$, of one of the Andrews' q-identities gives a Srivastava-Daoust type multiple hypergeometric series.

2010 *Mathematics Subject Classification:* 33C20; 33C65; 33C90

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Structural Behaviour of Steel Structures on the Basis of Computer Simulation Software	JitendraChoubisa	CIVIL ENGINEERING	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2023	ISSN:2321-9653	https://doi.org/10.22214/ijraset.2023.49234

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
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Structural Behavior of Steel Structures on the Basis of Computer Simulation Software

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Abstract: *Creating a world class infrastructure that stands aesthetic and performs well structurally is not that easy. As an engineer one must have to keep in mind the applications and structural needs of a building. Talking of structures, RCC structures are quite common to work out with and on the other hand steel structures gives good weight per unit length. Steel structures are also easy to construct and helps in reducing project time. In this paper we have discussed about how structurally a model behaves in regards to its comparison among two computer simulating software viz., etabs and staad pro. Staad pro is there for long in the field of simulation and etabs is easy to workout with the interactive design and functions. We have compared here mainly three types of structures made entirely of steel sections. A Howe roof truss, a Howe bridge truss and a transmission tower. All of them were modeled in both etabs and staad pro and the results were matched. Both the software showed quite same base reaction, bending moment and shear forces. But Etabs shows slightly less bending moment, shear forces & Base reaction with more precision in the respective members as compared to StaadPro. And on the other hand etabs also shows which members is stressed or utilized fully upto its strength, by which one can use an optimized way of designing a structures.*

Keywords: *StaadPro, Etabs, Tower, Truss, Howe, Simulation.*

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Low Cost Ventilator	Sunil Nanda & Pankaj Kumar Porwal	CIVIL ENGINEERING	Earliest publication #US 2023-0001126 A1	2023	Application # 17/557,752	Class/subclass 128/204.210

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