

ROCS Consolidated Report

School of Mathematics

Category: Journal Article

Submission Type: DOE SUBMISSABLE

Publication No.	Publication	Dept Contr	Univ Contr
WITS-2017-0000272	Buhe Eerdun, Bluman G, <u>Kara Abdul</u> (2016). Conservation laws for some systems of nonlinear PDEs via the symmetry/adjoint symmetry pair method <i>JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS</i> , 2016, 436 pp. 94 - 103.	0.33	0.33
WITS-2017-0000283	<u>Bashingwa Jean Juste Harrisson</u> , Bokhari Ashfaque H, <u>Kara Abdul</u> , Zaman F D (2016). The geometry and invariance properties for certain classes of metrics with neutral signature <i>INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS</i> , 2016, 13 (6) pp. 1 - 18.	0.50	0.50
WITS-2017-0000291	Shabbir Ghulam, Khan Alamgeer, Amer Qureshi M, <u>Kara Abdul</u> (2016). A note on classification of teleparallel conformal symmetries in non-static plane symmetric space-times in the teleparallel theory of gravitation using diagonal tetrads <i>INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS</i> , 2016, 13 (4) pp. 1 - 8.	0.25	0.25
WITS-2017-0000298	Wang Gangwei, <u>Kara Abdul</u> , Fakhar K (2016). Nonlocal symmetry analysis and conservation laws to an third-order Burgers equation <i>NONLINEAR DYNAMICS</i> , 2016, 83 (4) pp. 2281 - 2292.	0.33	0.33
WITS-2017-0000911	Fakhar K, Wang Gangwei, <u>Kara Abdul</u> (2016). Symmetry reductions and conservation laws of the short pulse equation <i>OPTIK</i> , 2016, 127 pp. 10201 - 10207.	0.33	0.33
WITS-2017-0000977	Collins Tishara, <u>Kara Abdul</u> , Bhrawy Ali H, Triki Houria, Biswas Anjan (2016). Dynamics of shallow water waves with logarithmic nonlinearity <i>Romanian Reports in Physics</i> , 2016, 68 (3) pp. 943 - 961.	0.20	0.20
WITS-2017-0000978	Triki Houria, <u>Kara Abdul</u> , Biswas A, Moshokoa Seithuti P, Belic Milivoj (2016). Optical solitons and conservation laws with anti-cubic nonlinearity <i>OPTIK</i> , 2016, 127 pp. 12056 - 12062.	0.20	0.20
WITS-2017-0001041	<u>Kara Abdul</u> , Biswas A, Belic M (2016). Conservation laws for optical solitons in birefringent fibers and magneto-optic waveguides <i>OPTIK</i> , 2016, 127 pp. 11662 - 11673.	0.33	0.33
WITS-2017-0001043	<u>Bashingwa Jean Juste Harrisson</u> , <u>Kara Abdul</u> , Bokhari A, Mousa R A, Zaman F (2016). Symmetry and conservation law structures of some anti-self-dual (ASD) manifolds <i>PRAMANA-JOURNAL OF PHYSICS</i> , 2016, 87 (64) pp. 1 - 7.	0.40	0.40
WITS-2017-0001048	<u>Jamal Sameerah</u> , Shabbir Ghulam	0.50	0.50

ROCS Consolidated Report

	(2016). Noether symmetries of vacuum classes of pp-waves and the wave equation <i>INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS</i> , 2016, 13 (9) pp. 1 - 10.		
WTS-2017-0001050	<u>Zinsou Bertin</u>	1.00	1.00
	(2016). Fourth-order Birkhoff regular problems with eigenvalue parameter dependent boundary conditions <i>Turkish Journal of Mathematics</i> , 2016, 40 pp. 864 - 873.		
WTS-2017-0001105	Morris Richard, <u>Kara Abdul</u> , Biswas A	0.33	0.33
	(2016). An analysis of the Zhiber-Shabat equation including Lie point symmetries and conservation laws <i>Collectanea Mathematica</i> , 2016, 67 pp. 55 - 62.		
WTS-2017-0001106	Wang G, <u>Kara Abdul</u> , Fakhar K, Vega-Guzman Jose, Biswas A	0.20	0.20
	(2016). Group analysis, exact solutions and conservation laws of a generalized fifth order KdV equation <i>CHAOS SOLITONS & FRACTALS</i> , 2016, 86 pp. 8 - 15.		
WTS-2017-0001109	Mirzazadeh Mohammad, Ekici Mehmet, Sonmezoglu Abdullah, Eslami Mostafa, Zhou Qin, <u>Kara Abdul</u> , Milovic Daniela, Majid Fayequa B, Biswas A, Belic M	0.10	0.10
	(2016). Optical solitons with complex Ginzburg-Landau equation <i>NONLINEAR DYNAMICS</i> , 2016, 85 pp. 1979 - 2016.		
WTS-2017-0001473	<u>Kara Abdul</u> , <u>Masemola Phetogo</u> , Bhrawy A, Biswas A	0.50	0.50
	(2016). Conservation laws for coupled wave equations <i>Romanian Journal of Physics</i> , 2016, 61 (3-4) pp. 367 - 377.		
WTS-2017-0001549	Munagi Augustine, <u>Nyirenda Darlison</u>	0.50	1.00
	(2016). A generalized partition-theoretic interpretation of Rogers-Ramanujan identities <i>UTILITAS MATHEMATICA</i> , 2016, 99 pp. 375 - 388.		
WTS-2017-0001559	<u>Phakathi Jabulani</u> , Radnell David, Zelenyuk Yuliya	0.33	0.67
	(2016). The number of symmetric colorings of the dihedral group D_p <i>Applied Mathematics and Information Sciences</i> , 2016, 10 (6) pp. 2373 - 2376.		
Submission Type: NOT ACCREDITED/PENDING VERIFICATION			
Publication No.	Publication	Dept Contr	Univ Contr
WTS-2017-0001477	<u>Kara Abdul</u> , <u>Folly-Gbetoula Mensah</u>	1.00	1.00
	(2016). Invariance analysis and reduction of discrete painleve equations <i>JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS</i> , 2016, 22 pp. 1 - 11.		
WTS-2017-0002417	Chersich Matthew, Becerril-Montekio V, Becerra-Posada F, Dumbaugh M, Kavanagh Josephine, Blaauw Duane, <u>Thwala Siphiso</u> , Kern Elinor, Penn-Kakana Loveday, Vargas E, Mlotshwa Langellhle, Dhana Ashar, Mannava P, Rees Vera	0.06	0.53
	(2016). Perspectives on the methods of a large systematic mapping of maternal health interventions <i>Globalization and Health</i> , 2016, 12 (1) pp. 1 - 10.		
WTS-2017-0002461	Bravo J, <u>Faye Bernadette</u> , Luca Florian, Tall Amadou	0.25	0.50
	(2016). Repdigits as Euler functions of Lucas numbers		

2016/12/15

ROCS Consolidated Report

Analele Stiintifice ale Universitatii Ovidius Constanta-Seria Matematica, 2016, 24
(2) pp. 105 - 126.

Category: Conference Proceeding

Submission Type: DOE SUBMISSABLE

Publication No.	Publication	Dept Contr	Univ Contr
WTS-2017-0001122	Kuo Wen, Vardy Jessica, Watson Bruce Bernoulli processes in Riesz spaces Leiden, Netherlands (the) Ordered Structures and Applications: Positivity VII (Zaanen Centennial Conference) 07-22-2013 - 07-26-2013 : pp 263 - 274	0.17	0.50

ROCS Consolidated Report

Applicable Analysis And Number Theory Research Unit

Category: Journal Article

Submission Type: DOE SUBMISSABLE

Publication No.	Publication	Dept Contr	Univ Contr
WTS-2017-0000192	<u>Blecher Aubrey, Brennan Charlotte, Knopfmacher Arnold</u> (2016). The site-perimeter of permutations <i>UTILITAS MATHEMATICA</i> , 2016, 99 pp. 19 - 32.	1.00	1.00
WTS-2017-0000194	<u>Bilu Yuri, Luca Florian</u> , Pizarro-Madariaga Amalia (2016). Rational products of singular moduli <i>JOURNAL OF NUMBER THEORY</i> , 2016, 158 pp. 397 - 410.	0.67	0.67
WTS-2017-0000277	Camburu Dana-Maria, Ciolan Emil - Alexandru, <u>Luca Florian</u> , Moree Pieter, Shparlinski Igor (2016). Cyclotomic coefficients: gaps and jumps <i>JOURNAL OF NUMBER THEORY</i> , 2016, 163 pp. 211 - 237.	0.20	0.20
WTS-2017-0000280	Burkhardt Paula, Chan Alice Zhuo-Yu, Currier Gabriel, Garcia Stephan Ramon, <u>Luca Florian</u> , Suh Hong (2016). Visual properties of generalized Kloosterman sums <i>JOURNAL OF NUMBER THEORY</i> , 2016, 160 pp. 237 - 253.	0.17	0.17
WTS-2017-0000285	Konyagin Sergei V, <u>Luca Florian</u> , Mans Bernard, Mathieson Luke, Sha Min, Shparlinski Igor (2016). Functional graphs of polynomials over finite fields <i>JOURNAL OF COMBINATORIAL THEORY SERIES B</i> , 2016, 116 pp. 87 - 122.	0.17	0.17
WTS-2017-0000917	<u>Luca Florian</u> , Stanica Pantelimon (2016). On Fibonacci numbers which are elliptic Carmichael <i>Periodica Mathematica Hungarica</i> , 2016, 72 pp. 171 - 179.	0.50	0.50
WTS-2017-0000925	Dossavi-Yovo Appolinaire, <u>Luca Florian</u> , Togbe Alain (2016). On the x-coordinates of Pell equations which are rep-digits <i>PUBLICATIONES MATHEMATICAE-DEBRECEN</i> , 2016, 88 (3-4) pp. 381 - 399.	0.33	0.33
WTS-2017-0000926	<u>Bilu Yuri</u> , Komatsu Takaao, <u>Luca Florian</u> , Pizarro-Madariaga A, Stanica P (2016). On a divisibility relation for Lucas sequences <i>JOURNAL OF NUMBER THEORY</i> , 2016, 163 pp. 1 - 18.	0.40	0.40
WTS-2017-0000943	<u>Luca Florian</u> , Phaovibul M. Tip (2016). Amicable pairs with few distinct prime factors <i>International Journal of Number Theory</i> , 2016, 12 (7) pp. 1725 - 1732.	0.50	0.50
WTS-2017-0000969	<u>Luca Florian</u> , Ralaivaosaona Dimbinaina (2016). An explicit bound for the number of partitions into roots <i>JOURNAL OF NUMBER THEORY</i> , 2016, 169 pp. 250 - 264.	0.50	0.50
WTS-2017-0001113	Binding Paul, Browne Patrick, <u>Watson Bruce</u> (2016). Weighted p-Laplacian problems on a half-line <i>JOURNAL OF DIFFERENTIAL EQUATIONS</i> , 2016, 260 pp. 1372 - 1391.	0.33	0.33
WTS-2017-0001479	Berczes Attila, <u>Luca Florian</u> , Pink Istvan, Ziegler Volker (2016).	0.25	0.25

ROCS Consolidated Report

WITS-2017-0001480	(2016). Finiteness results for Diophantine triples with repdigit values <i>ACTA ARITHMETICA</i> , 2016, 172 (2) pp. 133 - 148. Bravo Jhon J, <u>Luca Florian</u>	0.50	0.50
WITS-2017-0001481	(2016). Factorials and the Ramanujan function <i>GLASGOW MATHEMATICAL JOURNAL</i> , 2016, 58 pp. 177 - 185. Bravo Jhon J, <u>Luca Florian</u>	0.50	0.50
WITS-2017-0001513	(2016). On the Diophantine equation $F_n + F_m = 2a$ <i>Quaestiones Mathematicae</i> , 2016, 39 (3) pp. 391 - 400. Cilleruelo Javier, <u>Luca Florian</u> , Pizarro-Madariaga Amalia	0.33	0.33
WITS-2017-0001517	(2016). Carmichael numbers in the sequence $(2n k + 1)n \geq 1$ <i>MATHEMATICS OF COMPUTATION</i> , 2016, 85 (297) pp. 357 - 377. Bravo J, Gomez Carlos Alexis, <u>Luca Florian</u>	0.33	0.33
WITS-2017-0001518	(2016). Powers of two as sums of two k-Fibonacci numbers <i>Miskolc Mathematical Notes</i> , 2016, 17 (1) pp. 85 - 100. Andreescu Titu, <u>Luca Florian</u> , Phaovibul M	0.33	0.33
WITS-2017-0001523	(2016). On consecutive integers divisible by the number of their divisors <i>ACTA ARITHMETICA</i> , 2016, 173 (3) pp. 269 - 281. <u>Blecher Aubrey, Brennan Charlotte, Knopfmacher Arnold</u>	1.00	1.00
WITS-2017-0001526	(2016). Combinatorial parameters in bargraphs <i>Quaestiones Mathematicae</i> , 2016, 39 (5) pp. 619 - 635. <u>Archibald Margaret, Blecher Aubrey, Brennan Charlotte, Knopfmacher Arnold</u> , Mansour Toufik	0.80	0.80
WITS-2017-0001528	(2016). Partitions according to multiplicities and part sizes <i>Australasian Journal of Combinatorics</i> , 2016, 66 (1) pp. 104 - 119. <u>Blecher Aubrey, Brennan Charlotte, Knopfmacher Arnold</u>	1.00	1.00
WITS-2017-0001529	(2016). Peaks in bargraphs <i>Transactions of the Royal Society of South Africa</i> , 2016, 71 (1) pp. 97 - 103. <u>Blecher Aubrey, Brennan Charlotte, Knopfmacher Arnold</u> , Mansour Toufik	0.75	0.75
WITS-2017-0001542	(2016). Counting corners in partitions <i>RAMANUJAN JOURNAL</i> , 2016, 39 pp. 201 - 224. <u>Mphako-Banda Eunice, Werner Simon</u>	1.00	1.00
WITS-2017-0001544	(2016). Graph compositions of suspended y-trees <i>ROCKY MOUNTAIN JOURNAL OF MATHEMATICS</i> , 2016, 46 (4) pp. 1351 - 1361. <u>Blecher Aubrey</u> , Mansour Toufik	0.50	0.50
WITS-2017-0001549	(2016). Counting staircases in integer compositions <i>Online Journal of Analytic Combinatorics</i> , 2016, 11 (7) pp. 1 - 10. <u>Munagi Augustine, Nyirenda Darlison</u>	0.50	1.00
WITS-2017-0001551	(2016). A generalized partition-theoretic interpretation of Rogers-Ramanujan identities <i>UTILITAS MATHEMATICA</i> , 2016, 99 pp. 375 - 388. <u>Munagi Augustine</u>	1.00	1.00

ROCS Consolidated Report

WITS-2017-0001552	(2016). Combinatorial identities for restricted set partitions <i>DISCRETE MATHEMATICS</i> , 2016, 339 pp. 1306 - 1314. <u>Munagi Augustine</u>	1.00	1.00
WITS-2017-0001556	(2016). On singletons and adjacencies of set partitions <i>ROCKY MOUNTAIN JOURNAL OF MATHEMATICS</i> , 2016, 46 (1) pp. 301 - 307. <u>Zelenvuk Yevhen</u>	1.00	1.00
WITS-2017-0001557	(2016). Almost maximal topologies on groups <i>FUNDAMENTA MATHEMATICAE</i> , 2016, 234 pp. 91 - 100. Keyantuo Valentin, <u>Zelenvuk Yevhen</u>	0.50	0.50
WITS-2017-0001559	(2016). Right ideal decompositions of G^* <i>TOPOLOGY AND ITS APPLICATIONS</i> , 2016, 210 pp. 90 - 96. Phakathi Jabulani, Radnell David, <u>Zelenvuk Yuliya</u>	0.33	0.67
WITS-2017-0001560	(2016). The number of symmetric colorings of the dihedral group D_p <i>Applied Mathematics and Information Sciences</i> , 2016, 10 (6) pp. 2373 - 2376. Kashuba Iryna, <u>Zelenvuk Yuliya</u>	0.50	0.50
	(2016). The number of symmetric colorings of the dihedral group D_3 <i>Quaestiones Mathematicae</i> , 2016, 39 (1) pp. 65 - 71.		
Submission Type: NOT ACCREDITED/PENDING VERIFICATION			

Publication No.	Publication	Dept Contr	Univ Contr
WITS-2017-0002454	Lopez-Aguayo Daniel, <u>Luca Florian</u>	0.50	0.50
WITS-2017-0002457	(2016). Sylvester's theorem and the non-integrality of a certain binomial sum <i>Fibonacci Quarterly</i> , 2016, 54 (1) pp. 44 - 48. DDamulira Mahadi, <u>Luca Florian</u> , Rakotomalala Mihaja	0.33	0.33
WITS-2017-0002461	(2016). Fibonacci numbers which are products of two pell numbers <i>Fibonacci Quarterly</i> , 2016, 54 (1) pp. 11 - 18. Bravo J, Faye Bernadette, <u>Luca Florian</u> , Tall Amadou	0.25	0.50
	(2016). Repdigits as Euler functions of Lucas numbers <i>Analele Stiintifice ale Universitatii Ovidius Constanta-Seria Matematica</i> , 2016, 24 (2) pp. 105 - 126.		

Category: Conference Proceeding

Submission Type: DOE SUBMISSABLE

Publication No.	Publication	Dept Contr	Univ Contr
WITS-2017-0001122	<u>Kuo Wen, Vardy Jessica, Watson Bruce</u> Bernoulli processes in Riesz spaces Leiden, Netherlands (the) Ordered Structures and Applications: Positivity VII (Zaanen Centennial Conference) 07-22-2013 - 07-26-2013 : pp 263 - 274	0.17	0.50