

## ROCS Consolidated Report

## Applicable Analysis And Number Theory Research Unit

Category: Journal Article

Submission Type: DOE SUBMISSABLE

Publication No.	Publication	Dept Contr	Univ Contr
WITS-2023-0000150	<b><u>Zelenyuk Yevhen, Zelenyuk Yuliya</u></b> (2022). Direct products of null semigroups and rectangular bands in $\beta N$ <i>New York Journal of Mathematics</i> , 2022, 28 pp. 610 - 616. N/A	1,00	1,00
WITS-2023-0001047	<b><u>Zelenyuk Yevhen</u></b> (2022). Elements of finite order in $\beta N$ <i>ADVANCES IN MATHEMATICS</i> , 2022, 408 pp. 1 - 12. 10.1016/j.aim.2022.108608	1,00	1,00
WITS-2023-0001057	Gomez C, Gomez J, <b><u>Luca Florian</u></b> (2022). On the Exponential Diophantine Equation $F_{xn+1} - F_{xn-1} = F_{ym}$ <i>TAIWANESE JOURNAL OF MATHEMATICS</i> , 2022, 26 (4) pp. 685 - 712. 10.11650/tjm/220303	0,33	0,33
WITS-2023-0001306	<b><u>Luca Florian</u></b> , Tchammou E, Togbe A (2022). ON THE EXPONENTIAL DIOPHANTINE EQUATION $F_{nx} + F_{nx+1} + \dots + F_{nx+k} - 1 = F_m$ <i>Functiones et Approximatio, Commentarii Mathematici</i> , 2022, 66 (2) pp. 139 - 159. 10.7169/FACM/1860	0,33	0,33
WITS-2023-0002026	<b><u>Zelenyuk Yevhen</u></b> (2022). Increasing sequences of principal left ideals of $\beta Z$ are finite <i>FUNDAMENTA MATHEMATICAE</i> , 2022, 258 (N/A) pp. 225 - 235. 10.4064/FM17-8-2021	1,00	1,00
WITS-2023-0002201	<b><u>Blecher Aubrey, Knopfmacher Arnold</u></b> , Mansour T (2022). Alphabetic points and records in inversion sequences <i>Discrete Mathematics Letters</i> , 2022, 10 pp. 85 - 90. 10.47443/dml.2022.061	0,67	0,67
WITS-2023-0002216	Alahmadi A, <b><u>Luca Florian</u></b> (2022). On the Diophantine equation $(5pn^2 - 1)x + (p(p - 5)n^2 + 1)y = (pn)z$ <i>Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie</i> , 2022, 65 (1) pp. 3 - 12. N/A	0,50	0,50
WITS-2023-0002655	<b><u>Blecher Aubrey, Knopfmacher Arnold</u></b> (2022). Fixed points and matching points in partitions <i>RAMANUJAN JOURNAL</i> , 2022, 58 pp. 23 - 41. 10.1007/s11139-022-00551-x	1,00	1,00
WITS-2023-0002657	<b><u>Blecher Aubrey, Knopfmacher Arnold</u></b> , Mansour T (2022). Alphabetic points in restricted growth functions <i>DISCRETE APPLIED MATHEMATICS</i> , 2022, 309 pp. 130 - 137. 10.1016/j.dam.2021.11.010	0,67	0,67

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WITS-2023-0003352	<b><u>Blecher Aubrey, Brennan Charlotte, Knopfmacher Arnold</u></b> (2022). The site-perimeter of compositions <i>Discrete Mathematics and Applications</i> , 2022, 32 (2) pp. 75 - 89. 10.1515/dma-2022-0007	1,00	1,00
WITS-2023-0003356	<b><u>Archibald Margaret, Blecher Aubrey, Brennan Charlotte, Knopfmacher Arnold</u></b> (2022). Protected Cells in Compositions <i>Mathematics in Computer Science</i> , 2022, 16 (1) pp. 1 - 8. 10.1007/s11786-021-00519-y	1,00	1,00
WITS-2023-0003693	Bravo Eric, Bravo J, <b><u>Luca Florian</u></b> (2022). On the Multiplicities of Padovan-Type Sequences <i>BULLETIN OF THE BRAZILIAN MATHEMATICAL SOCIETY</i> , 2022, 53 pp. 1519 - 1549. 10.1007/s00574-022-00315-7	0,33	0,33
WITS-2023-0004073	<b><u>Archibald Margaret, Blecher Aubrey, Brennan Charlotte, Knopfmacher Arnold</u></b> , Mansour T (2022). Pushes in words- A primitive sorting Algorithm <i>Contributions to Discrete Mathematics</i> , 2022, 17 (1) pp. 56 - 69. N/A	0,80	0,80
WITS-2023-0004506	Edjeou Bilizimbeye, Faye B, Gomez C, <b><u>Luca Florian</u></b> (2022). On Y-coordinates of Pell equations which are Lucas numbers <i>RAMANUJAN JOURNAL</i> , 2022, 59 (N/A) pp. 1091 - 1136. 10.1007/S11139-022-00613-0	0,25	0,25
WITS-2023-0004764	<b><u>Kriel Christo, Mphako-Banda Eunice</u></b> (2022). Sizes of flats of cycle matroids of complete graphs <i>Revista Colombiana de Matematicas</i> , 2022, 56 (1) pp. 63 - 75. 10.15446/recolma.v56n1.105617	0,50	1,00
WITS-2023-0005231	<b><u>Munagi Augustine</u></b> , Shattuck Mark (2022). Some new families of compositions based on big part restrictions <i>Discrete Mathematics Letters</i> , 2022, 8 pp. 93 - 99. 10.47443/dml.2021.0086	0,50	0,50
WITS-2023-0005237	<b><u>Munagi Augustine</u></b> , Takalani Ntendeni A (2022). Full k- complete partitions <i>Integers</i> , 2022, 22 pp. 1 - 17. N/A	0,50	0,50
WITS-2023-0005472	Alahmadi A, <b><u>Luca Florian</u></b> (2022). There are no Carmichael numbers of the form $2np + 1$ with p prime <i>COMPTEs RENDUS MATHEMATIQUE</i> , 2022, 360 pp. 1177 - 1181. 10.5802/crmath.393	0,50	0,50
WITS-2023-0005473	Lomeli A, Hernandez S, <b><u>Luca Florian</u></b> (2022). Fibonacci numbers as sums of two Padovan numbers <i>Afrika Matematika</i> , 2022, 33 (14) pp. 1 - 10. 10.1007/s13370-021-00943-0	0,33	0,33
WITS-2023-0005479	Alahmadi A, <b><u>Luca Florian</u></b>	0,50	0,50

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	(2022). On Repunit Cullen numbers <i>BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY</i> , 2022, 106 pp. 264 - 268. 10.1017/s0004972722000065		
WITS-2023-0005480	<b>Luca Florian</b> , Pomerance Carl	0,50	0,50
	(2022). On a nonintegrality conjecture <i>European Journal of Mathematics</i> , 2022, 8 pp. 634 - 639. 10.1007/s40879-021-00507-3		
WITS-2023-0005481	Erduvan Faith, Keskin Refik, <b>Luca Florian</b>	0,33	0,33
	(2022). Fibonacci and Lucas numbers as difference of two repdigits <i>Rendiconti del Circolo Matematico di Palermo</i> , 2022, 71 pp. 575 - 589. 10.1007/s12215-021-00645-3		
WITS-2023-0005482	Rihane S, <b>Luca Florian</b> , Togbe A	0,33	0,33
	(2022). There are no Diophantine quadruples of Pell numbers <i>International Journal of Number Theory</i> , 2022, 18 (1) pp. 27 - 45. 10.1142/s179304212250004x		
WITS-2023-0005485	Alahmadi A, <b>Luca Florian</b>	0,50	0,50
	(2022). On the multiplicative independence of the roots of generalized Fibonacci and Pell polynomials <i>International Journal of Number Theory</i> , 2022, 18 (9) pp. 1887 - 1894. 10.1142/s1793042122500968		
WITS-2023-0005487	DDamulira M, <b>Luca Florian</b> , Tichy Robert	0,33	0,33
	(2022). On the Shorey- Tijdeman Diophantine equation involving terms of Lucas sequences <i>INDAGATIONES MATHEMATICAE-NEW SERIES</i> , 2022, 33 pp. 314 - 321. 10.1016/j.indag.2021.08.001		
WITS-2023-0005488	Bubboloni Daniela, <b>Luca Florian</b>	0,50	0,50
	(2022). Coprime partitions and Jordan totient functions <i>JOURNAL OF NUMBER THEORY</i> , 2022, 235 pp. 328 - 357. 10.1016/j.jnt.2021.05.017		
WITS-2023-0005495	Adedji K, <b>Luca Florian</b> , Togbe A	0,33	0,33
	(2022). On the solutions of the Diophantine equation $F_n + \frac{a(10^m - 1)}{9} = k!$  <i>JOURNAL OF NUMBER THEORY</i> , 2022, 240 pp. 593 - 610. 10.1016/j.jnt.2021.12.008		
WITS-2023-0005496	Alzer H, <b>Luca Florian</b>	0,50	0,50
	(2022). An inequality for Fibonacci numbers <i>Mathematica Bohemica</i> , 2022, 147 (4) pp. 587 - 590. 10.21136/MB.2022.0032-21		
WITS-2023-0005497	Faye B, Gomez C, <b>Luca Florian</b> , Rihane S, Togbe A	0,20	0,20
	(2022). Complete solution of the exponential Diophantine equation $P_x^n + P_{x+1}^n = P_y^m$ <i>Mathematical Communications</i> , 2022, 27 pp. 163 - 185. N/A		
WITS-2023-0005548	<b>Luca Florian</b> , Tchammou E, Togbe A	0,33	0,33

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	(2022). On an exponential Diophantine equation involving powers of consecutive terms of the Padovan sequence <i>PUBLICATIONES MATHEMATICAE-DEBRECEN</i> , 2022, 101 (3-4) pp. 451 - 475. 10.5486/PMD.2022.9292		
WITS-2023-0005640	Alahmadi A, <b><u>Luca Florian</u></b>	0,50	0,50
	(2022). On the sum of the reciprocals of k- generalized Fibonacci numbers <i>Analele Stiintifice ale Universitatii Ovidius Constanta-Seria Matematica</i> , 2022, 30 (1) pp. 31 - 42. 10.2478/auom-2022-0002		
WITS-2023-0005645	Alahmadi A, <b><u>Luca Florian</u></b>	0,50	0,50
	(2022). On the Euler function of Y - Coordinates of Pell Equations and Repdigits <i>Results in Mathematics</i> , 2022, 77 (59) pp. 1 - 6. 10.1007/s00025-021-01594-0		
WITS-2023-0005648	Garcia S, Horn R A, <b><u>Luca Florian</u></b> , Sarma K	0,25	0,25
	(2022). Powers of Rational Matrices <i>AMERICAN MATHEMATICAL MONTHLY</i> , 2022, 129 (2) pp. 177 - 177. 10.1080/00029890.2021.1949220		
WITS-2023-0006166	Lipka Eryk, <b><u>Luca Florian</u></b> , Miska Piotr	0,33	0,33
	(2022). On two conjectures regarding generalized sequence of derangements <i>Functiones et Approximatio, Commentarii Mathematici</i> , 2022, 67 (2) pp. 223 - 234. 10.7169/facm/1989		
WITS-2023-0006269	Ching Hsin-Yun, Florez Rigoberto, <b><u>Luca Florian</u></b> , Mukherjee Antara, Saunders JC	0,20	0,20
	(2022). Primes and composites in the determinant Hosoya triagle <i>Fibonacci Quarterly</i> , 2022, 60 (5) pp. 56 - 110. N/A		
WITS-2023-0006273	Batte H, DDamulira M, Kasozi Juma, <b><u>Luca Florian</u></b>	0,25	0,25
	(2022). On the multiplicity in Pillai's problem with Fibonacci numbers and powers of a fixed prime <i>Glasnik Matematicki</i> , 2022, 57 (77) pp. 185 - 201. N/A		
WITS-2023-0006275	Alanazi A, Alenazi B.M, Keith W.J, <b><u>Munagi Augustine</u></b>	0,25	0,25
	(2022). Refining overpartitions by properties of nonoverlined parts <i>Contributions to Discrete Mathematics</i> , 2022, 17 (2) pp. 96 - 111. N/A		
WITS-2023-0006280	Bilu Y, <b><u>Luca Florian</u></b> , Pizarro-Madariaga A	0,33	0,33
	(2022). Trinomials, singular moduli and Riffaut's conjecture <i>ANNALI DELLA SCUOLA NORMALE SUPERIORE DI PISA-CLASSE DI SCIENZE</i> , 2022, XXIII pp. 2003 - 2048. N/A		
WITS-2023-0006281	Alahmadi A, <b><u>Luca Florian</u></b>	0,50	0,50
	(2022). On a result of Fujita and Le <i>Acta Scientiarum Mathematicarum</i> , 2022, 87 pp. 577 - 580. 10.1007/s44146-022-00041-y		

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WITS-2023-0006697	<b><u>Luca Florian</u></b>	1,00	1,00
	(2022). Markov triples with two Fibonacci components <i>RENDICONTI DEL SEMINARIO MATEMATICO DELLA UNIVERSITA DI PADOVA</i> , 2022, 148 pp. 213 - 243. 10.4171/RSMUP/99		

**Submission Type: NOT ACCREDITED/PENDING VERIFICATION**

Publication No.	Publication	Dept Contr	Univ Contr
WITS-2023-0005474	<b><u>Luca Florian</u></b> , <b>Mabaso Sibusiso</b>	0,50	1,00
	(2022). On a Diophantine equation involving Fibonacci numbers and the Ramanujan t-function of factorials <i>Afrika Matematika</i> , 2022, 33 (4) pp. 1 - 18. 10.1007/s13370-021-00950-1		

**Category: Conference Proceeding**

**Submission Type: DOE SUBMISSABLE**

Publication No.	Publication	Dept Contr	Univ Contr
WITS-2023-0005719	Lipton Richard, <b><u>Luca Florian</u></b> , Nieuwveld Joris, Ouaknine J, Purser D, Worrell J	0,09	0,08
	On the Skolem Problem and the Skolem Conjecture HAIFA, Israel Proceedings of the 37th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS'22) 08-02-2022 - 08-05-2022 : pp 1 - 9		

**Submission Type: NOT ACCREDITED/PENDING VERIFICATION**

Publication No.	Publication	Dept Contr	Univ Contr
WITS-2023-0005673	<b><u>Luca Florian</u></b> , Ouaknine J, Worrell J	0,17	0,17
	Algebraic Model Checking for Discrete Linear Dynamical Systems Cham, Switzerland Formal Modeling and Analysis of Timed Systems 2022 09-13-2022 - 09-15-2022 : pp 3 - 15		
WITS-2023-0005721	Bilu Y, <b><u>Luca Florian</u></b> , Nieuwveld J, Ouaknine J, Purser D, Worrell J	0,09	0,08
	Skolem Meets Schanuel Saarbrücken/ Wadern, Germany 47th International Symposium on Mathematical Foundations of Computer Science (MFCS 2022) 08-22-2022 - 08-26-2022 : pp 1 - 15		
WITS-2023-0005722	<b><u>Luca Florian</u></b> , Ouaknine J, Worrell J	0,17	0,17
	A Universal Skolem Set of Positive Lower Density Saarbrücken/ Wadern, Germany 47th International Symposium on Mathematical Foundations of Computer Science (MFCS 2022) 08-22-2022 - 08-26-2022 : pp 1 - 12		

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## School of Mathematics

## Category: Journal Article

## Submission Type: DOE SUBMISSABLE

Publication No.	Publication	Dept Contr	Univ Contr
WITS-2023-0000083	<b>Dison Laura, Padayachee Kershree, De Klerk Danie, <u>Conradie Willem</u>, MacAlister Fiona, Moch Shirra, Krull Greig</b> (2022). Reframing purpose and conceptions of success for a post-Covid-19 South African higher education <i>SOTL in the South</i> , 2022, 6 (1) pp. 33 - 54. 10.36615/SOTLS.V6I1.222	0,14	1,00
WITS-2023-0000191	<b><u>Jamal Sameerah</u>, <u>Kubayi Jollet</u></b> (2022). An investigation of the symmetry and singularity properties of classes of third-order fluid problems <i>Journal of Analysis and Applications</i> , 2022, 20 (1) pp. 21 - 45. n/a	1,00	1,00
WITS-2023-0000255	<b><u>Obaidullah Usaamah</u>, <u>Jamal Sameerah</u></b> , Shabbir G (2022). Analytical field equation and wave function solutions of the Bianchi type I universe in vacuum f (R) gravity <i>INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS</i> , 2022, 19 (9) pp. 1 - 20. 10.1142/S0219887822501365	0,67	0,67
WITS-2023-0000268	Alkindi F, <b><u>Kara Abdul</u></b> , Ziad M (2022). Conservation laws and solution of the geodesic system of Godel's metric via Lie and Noether symmetries <i>PRAMANA-JOURNAL OF PHYSICS</i> , 2022, 96 (3) pp. 1 - 7. 10.1007/s12043-022-02361-8	0,33	0,33
WITS-2023-0000287	Biswas A, <b><u>Kara Abdul</u></b> , Khan S, Yidirim Y, Mahmood M F, Alshehri H, Belic M (2022). Conservation laws for cubic quartic optical solitons with complex Ginzburg-Landau equation having five nonlinear refractive index structures <i>Optoelectronics and Advanced Materials-Rapid Communications</i> , 2022, 16 (3-4) pp. 137 - 141. 10.000/abc12345	0,14	0,14
WITS-2023-0000899	<b><u>Mathebula Agreement</u>, <u>Jamal Sameerah</u></b> (2022). THE POTENTIAL FUNCTION PROBLEM FOR THE KLEIN-GORDON EQUATION <i>Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis</i> , 2022, 29 (N/A) pp. 137 - 151. N/A	1,00	1,00
WITS-2023-0001431	Alshehri Ahmed M, Alshehri H, Alshreef A, <b><u>Kara Abdul</u></b> , Biswas A, Yildirim Y (2022). Conservation laws for dispersive optical solitons with Radhakrishnan-Kundu-Lakshmanan model having quadrupled power-law of self-phase modulation <i>OPTIK</i> , 2022, 271 (N/A) pp. 1 - 4. 10.1016/J.IJLEO.2022.169715	0,17	0,17
WITS-2023-0001588	Wang G, Li Li , <b><u>Kara Abdul</u></b> (2022). Consistent Burgers equation expansion method and its applications to high- dimensional Burgers-type equations	0,33	0,33

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	COMMUNICATIONS IN THEORETICAL PHYSICS, 2022, 74 (8) pp. 1 - 6. 10.1088/1572-9494/ac76b6		
WITS-2023-0002148	<b><u>Ssekajja Samuel</u></b> (2022). Pseudo-totally umbilical lightlike submanifolds <i>Hacettepe Journal of Mathematics and Statistics</i> , 2022, 51 (5) pp. 1304 - 1320. 10.15672/hujms.932487	1,00	1,00
WITS-2023-0002195	<b><u>Goranko Valentin</u></b> (2022). Preplay Negotiations with Unconditional Offers of Side Payments in Two-Player Strategic-Form Games: Towards Non-Cooperative Cooperation <i>Mathematics</i> , 2022, 10 (2518) pp. 1 - 21. 10.3390/MATH10142518	1,00	1,00
WITS-2023-0002360	<b><u>Folly-Gbetoula Mensah</u></b> , Gocen M, Guneyusu M (2022). General form of the solutions of some difference equations via Lie symmetry analysis <i>Journal of Analysis and Applications</i> , 2022, 20 (2) pp. 105 - 122. N/A	0,33	0,33
WITS-2023-0002665	Biswas A, Coleman Nyah, <b><u>Kara Abdul</u></b> , Khan Salam, Moraru Luminita, Moldovanu Simona, Iticescu Catalina, Yildirim Y (2022). Shallow Water Waves and Conservation Laws with Dispersion Triplet <i>Applied Sciences-Basel</i> , 2022, 12 pp. 1 - 13. 10.3390/app12073647	0,13	0,13
WITS-2023-0002752	Kudryashov Nikolai A, Biswas A, <b><u>Kara Abdul</u></b> , Yildirim Y (2022). Cubic-quartic optical solitons and conservation laws having cubic-quintic-septic-nonic self-phase modulation <i>OPTIK</i> , 2022, 269 pp. 1 - 6. 10.1016/j.ijleo.2022.169834	0,25	0,25
WITS-2023-0003259	<b><u>Okeke Chibueze</u></b> , Ugwunnadi G, Jolaoso L (2022). An extragradient inertial algorithm for solving split fixed-point problems of demicontractive mappings, with equilibrium and variational inequality problems <i>Demonstratio Mathematica</i> , 2022, 55 (N/A) pp. 506 - 527. 10.1515/DEMA-2020-0120	0,33	0,33
WITS-2023-0003285	<b><u>Folly-Gbetoula Mensah</u></b> , <b><u>Mkhwanazi Kgatliso</u></b> , <b><u>Nyirenda Darlison</u></b> (2022). On a Study of a Family of Higher-Order Recurrence Relations <i>MATHEMATICAL PROBLEMS IN ENGINEERING</i> , 2022, 2022 pp. 1 - 11. 10.1155/2022/6770105	1,00	1,00
WITS-2023-0003350	Wang G, <b><u>Kara Abdul</u></b> , Biswas A, Guggilla P, Alzahrani A, Belic M (2022). Highly dispersive optical solitons in polarization-preserving fibers with Kerr law nonlinearity by Lie symmetry <i>PHYSICS LETTERS A</i> , 2022, 421 pp. 1 - 10. 10.1016/j.physleta.2021.127768	0,17	0,17
WITS-2023-0003358	Ugwunnadi G C, Jolaoso L, <b><u>Okeke Chibueze</u></b> (2022). A Generalized Explicit Iterative Method for Solving Generalized Split Feasibility Problem and Fixed Point Problem in Real Banach Spaces <i>Symmetry-Basel</i> , 2022, 14 (335) pp. 1 - 22. 10.3390/sym14020335	0,33	0,33
WITS-2023-0003360	<b><u>Okeke Chibueze</u></b>	1,00	1,00

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	(2022). An improved inertial extragradient subgradient method for solving split variational inequality problems <i>Boletin de la Sociedad Geologica Mexicana</i> , 2022, 28 (16) pp. 1 - 34. 10.1007/s40590-021-00408-1		
WITS-2023-0003640	<b><u>Mkhwanazi Kgatliso, Folly-Gbetoula Mensah</u></b>	1,00	1,00
	(2022). Symmetries and Solvability of a Class of Higher Order Systems of Ordinary Difference Equations <i>Symmetry-Basel</i> , 2022, 14 (108) pp. 1 - 14. 10.3390/sym14010108		
WITS-2023-0004040	<b><u>Folly-Gbetoula Mensah</u></b>	1,00	1,00
	(2022). Symmetries, Reductions and Exact Solutions of a Class of $(2k + 2)$ th-order Difference Equations with Variable Coefficients. <i>Symmetry-Basel</i> , 2022, 14 (1290) pp. 1 - 14. 10.3390/sym14071290		
WITS-2023-0004042	<b><u>Ssekajja Samuel</u></b>	1,00	1,00
	(2022). Some remarks on invariant lightlike submanifolds of indefinite Sasakian manifold <i>Arab Journal of Mathematical Sciences</i> , 2022, 28 (1) pp. 100 - 111. 10.1108/AJMS-10-2020-0097		
WITS-2023-0004077	<b><u>Goranko Valentin</u></b> , Ju Fengkui	0,50	0,50
	(2022). A Logic for Conditional Local Strategic Reasoning <i>Journal of Logic Language and Information</i> , 2022, 31 pp. 167 - 188. 10.1007/s10849-022-09357-y		
WITS-2023-0004123	<b><u>Jamal Sameerah, Maphanga Rivoningo</u></b>	1,00	1,00
	(2022). A conservation Law Treatment of Nonlinear KdV Hierarchies <i>Journal of Mathematics</i> , 2022, 2022 pp. 1 - 10. 10.1155/2022/5378853		
WITS-2023-0004130	Nazir A, Shabbir G, Hussain F, <b><u>Jamal Sameerah</u></b> , Ramzan M	0,20	0,20
	(2022). A note on classification of dust static plane symmetric space-times via proper curvature collineations in $f(\mathbf{R})$ gravity <i>INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS</i> , 2022, 19 (6) pp. 1 - 14. 10.1142/s0219887822500426		
WITS-2023-0004163	<b><u>Obaidullah Usaamah, Jamal Sameerah</u></b>	1,00	1,00
	(2022). Classical solutions to Bianchi type II spacetimes in $f(\mathbf{R})$ theory of gravity <i>INDIAN JOURNAL OF PHYSICS</i> , 2022, 96 (12) pp. 3675 - 3688. 10.1007/s12648-021-02270-3		
WITS-2023-0004184	Alshehri H, Alshehri A, Alshreef A, <b><u>Kara Abdul</u></b> , Biswas A, Yildirim Y	0,17	0,17
	(2022). Conservation laws of optical solitons with quadrupled power-law of self-phase modulation <i>OPTIK</i> , 2022, 271 pp. 1 - 4. 10.1016/j.ijleo.2022.170132		
WITS-2023-0004186	Raza A, <b><u>Mahomed Fazal</u></b> , Zaman F, <b><u>Kara Abdul</u></b>	0,25	0,50
	(2022). Optimal system and classification of invariant solutions of nonlinear class of wave equations and their conservation laws		



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*JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS*, 2022, 505 pp.  
1 - 29.

10.1016/j.jmaa.2021.125615

WITS-2023-0005230 **Okeke Chibueze**, Bello A.U, Jolaoso L, Ukandu K.C 0,25 0,25

(2022).

Inertial method for split null point problems with pseudomonotone variational inequality problems

*Numerical Algebra, Control and Optimization*, 2022, 12 (4) pp. 815 - 836.

10.3934/naco.2021037

WITS-2023-0005466 **Kwashira Rugare** 1,00 1,00

(2022).

Central Automorphisms in n-abelian Groups

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WITS-2023-0001600	<b><u>Ssekajja Samuel</u></b>	1,00	1,00

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