**البحث الأول**

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| **SUPRA D-SETS AND ASSOIATED SEPERATION AXIOMS** | **Title** |
| **In this paper, we introduce and investigate some weak separation****axioms by using the notion of supra open sets. We study the relationships****between these new separation axioms and their relationships with some other****properties.** | **Abstract** |
| **supra open sets, supra Ti spaces (i=0,1,2), supra Di spaces****(i=0,1,2)** | **Key words** |
| **Mustafa, J.M. and Qoqazeh, H.A. (2012). Supra D-sets and Assoiated Seperation Axioms, International Journal of Pure and Applied Mathmatics. 80(5), 657-663.** | **Citation** |

**البحث الثاني**

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| **ON METACOMPACTNESS IN BITOPLOGICAL SPACES**  | **Title** |
| **In this paper we define pairwise metacompac spaces and pairewise locally metacompac spaces and study their properties and there relations with other topological spaces. Several examples are discussed and many will known theorems are generalized concerning metacompac spaces.** | **Abstract** |
| **bitopological space , pairwise metacompac space , pairwise metalindlöf space.** | **Key words** |
| **Hamza Qoqazeh, Hasan Hdeib and Emad Abu Osba'. (2018). On Metacompactness in Bitopological Spaces, International Journal of Pure and Applied Mathmatics. 119(1), 191-205.** | **Citation** |

**البحث الثالث**

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| **ON D-METACOMPACTNESS IN BITOPLOGICAL SPACES.** | **Title** |
| **In this paper we define pairwise D-metacompac spaces and study their properties and there relations with other topological spaces.** **Several examples are discussed and many will known theorems are generalized concerning metacompac spaces.** | **Abstract** |
| **bitopological space , pairwise metacompac space , Semi metacompac space , pairwise metalindlöf space , pairwise D-metacompac space , pairwise D- metalindlöf space , Semi D-metacompac space.** | **Key words** |
| **Hamza Qoqazeh, Hasan Hdeib and Emad Abu Osba'. (2017). On D-Metacompactness in Bitopological Spaces, Jordan Journal of Mathematics and Statistics (JJMS) 11(4), 2018, pp 345-361.** | **Citation** |

**البحث الرابع**

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| **Mahgoub Adomian Decomposition Method For Solving Newell-****Whitehead-Segel Equation** | **Title** |
| **Mahgoub Adomian decomposition method (MADM) is used to find the solution of Newell-****Whitehead- Segel equation (NWSE). This method is studied for some applications from NWSE. As the results,****the method is efficient and easy to use*.*** | **Abstract** |
| **Mahgoub Adomian decomposition method, Mahgoub transform, Adomian decomposition method****(ADM), Differential equations (DEs) and Newell-Whitehead- Segel equation.** | **Key words** |
| **Almousa, M., Al-Zuhairi, I., Al-Qudah, Y., & Qoqazeh, H. (2020). Mahgoub Adomian decomposition method for solving Newell-Whitehead-Segel equation. *International Journal of Mathematics and Statistics Invention*, *8*(1).‏**  | **Citation** |
| **https://scholar.google.com/scholar?hl=ar&as\_sdt=0%2C5&q=Mahgoub+Adomian+Decomposition+Method+For+Solving+Newell-+Whitehead-Segel+Equation&btnG=#d=gs\_cit&u=%2Fscholar%3Fq%3Dinfo%3AUJI97oFNpUoJ%3Ascholar.google.com%2F%26output%3Dcite%26scirp%3D0%26hl%3Dar** | **Link** |

**البحث الخامس**

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|  **Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method.** | **Title** |
|  In this paper, Mahgoub Adomian decomposition method (MADM), to handle the wave and heat equations, is introduced. The efficiency of the present method will be shown by applying the procedure on four examples. | **Abstract** |
|  **Mahgoub Adomian decomposition method, Mahjoub transform, Partial Differential Equations, Heat equation, Wave equation.** | **Key words** |
| TY - JOURAU - Almousa, MohammadAU - Al-Zuhairi, ImadAU - Alqudah, YousefAU - Qoqazeh, HamzaPY - 2020/01/01SP - 7EP - 11T1 - Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition MethodVL - 3ER - **Mohammad Almousa, Imad Al-zuhairi, Yousef Al-Qudah and Hamza Qoqazeh. (2020).**  **Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method,**  **International Advance Journal of Engineering Research (IAJER) Volume 3, Issue 1 (January- 2020), PP 07-11.** | **Citation** |
| **https://www.researchgate.net/publication/339042846\_Solution\_of\_Heat\_and\_Wave\_Equations\_using\_Mahgoub\_Adomian\_Decomposition\_Method** | **link** |

 **البحث السادس**

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|  **Fuzzy Parameterized Complex Multi-Fuzzy Soft Expert Set in Prediction of Coronary Artery Disease** | **Title** |
|  **In this work, state the risk and treatment of coronary artery disease our aim. The weighted fuzzy parameterized complex multi-fuzzy soft expert set plays the main roads to arrive a maple treatment. We take a reality values of the a asymptotes systolic blood pressure, lowdensity lipoprotein cholesterol, maximum heart rate, blood sugar, old peak and age of nine patients and transform by FORTRAN program to weighted fuzzy parameterized complex multifuzzy soft expert set. By Kong algorithm state the positive and negative decision, from these decisions state the degree of risk and treatments. Our decision helps the hospital doctor to state the treatments drug therapy or intervention.** | **Abstract** |
|  **Fuzzy Parameterized Complex Multi-Fuzzy Soft Expert Set, positive and negative decision, Coronary Artery Disease** | **Key words** |
|  **Imad Al-Zuhairi, Yousef Al-Qudah, Wathek Chammam, Mohammed M. Khalaf, Ahmed El moasry, Hamza Qaqazeh, Mohammed Almousa,. (2020).**  **Fuzzy Parameterized Complex Multi-Fuzzy Soft Expert Set in Prediction of Coronary Artery Disease,**  **Journal of Progressive Research in Mathematics(JPRM)**  **Volume 16, Issue 4 .** | **Citation** |

**البحث السابع**

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|  **LINDELÖF PERFECT FUNCTIONS.** | **Title** |
|  **In this paper, we introduce the notion of a Lindelöf perfect function****and obtain some preliminary results.** | **Abstract** |
|  **topological spaces, perfect function, Lindelöf perfect function.**  | **Key words** |
|  **Atoom, A., Qoqazeh, H., & Alkishik, N. A. (2021). LINDELÃ–F PERFECT FUNCTIONS. JP Journal of Geometry and Topology, 26(2), 91â€“101. doi:10.17654/gt026020091** | **Citation** |
| **https://www.researchgate.net/publication/353708370\_LINDELOF\_PERFECT\_FUNCTIONS** | **link** |

**البحث الثامن**

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|  **Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method.** | **Title** |
|  **In this paper, Mahgoub Adomian decomposition method (MADM), to handle the wave and heat equations, is introduced. The efficiency of the present method will be shown by applying the procedure on four examples.** | **Abstract** |
|  **Mahgoub Adomian decomposition method, Mahjoub transform, Partial Differential Equations, Heat equation, Wave equation.** | **Key words** |
|  **Mohammad Almousa, Imad Al-zuhairi, Yousef Al-Qudah and Hamza Qoqazeh. (2020).**  **Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method,**  **International Advance Journal of Engineering Research (IAJER) Volume 3, Issue 1 (January- 2020), PP 07-11.** | **Citation** |

**البحث التاسع**

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|  **Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method.** | **Title** |
|  **In this paper, Mahgoub Adomian decomposition method (MADM), to handle the wave and heat equations, is introduced. The efficiency of the present method will be shown by applying the procedure on four examples.** | **Abstract** |
|  **Mahgoub Adomian decomposition method, Mahjoub transform, Partial Differential Equations, Heat equation, Wave equation.** | **Key words** |
|  **Mohammad Almousa, Imad Al-zuhairi, Yousef Al-Qudah and Hamza Qoqazeh. (2020).**  **Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method,**  **International Advance Journal of Engineering Research (IAJER) Volume 3, Issue 1 (January- 2020), PP 07-11.** | **Citation** |