Azad Akhter Siddiqui

Professor

School of Electrical Engineering and Computer Science

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1990 - 2000

1990

About

Dr. Azad Akhter Siddiqui is working as Professor in the School of Electrical Engineering and Computer Science. Dr. Azad Akhter Siddiqui has a PhD in Mathematics. Dr. Azad Akhter Siddiqui has published 47 research articles & conference papers having a citation count of 395, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics

First Position in MPhil

First Position in MPhil in Quaid-i-Azam University, Islamabad

Quaid-i-Azam University , Pakistan	
MPhil in (Applied Mathematics/ General Relativity And Cosmology) Quaid-i-Azam University, Pakistan	1988 - 1990
MSc in Msc (Applied Mathematics) Qau, Islamabad 1988 Quaid-i-Azam University , Pakistan	1986 - 1988
Experience	
Professor School of Electrical Engineering and Computer Science	2023- Present
Professor School of Electrical Engineering and Computer Science	2022 - 2023
Professor School of Natural Sciences	2018 - 2022
Professor School of Natural Sciences	2014 - 2018
Professor School of Natural Sciences	2012 - 2014
Professor College of Electrical & Mechanical Engineering	2008 - 2012
Associate Professor College of Electrical & Mechanical Engineering	2003 - 2008
Assistant Professor College of Electrical & Mechanical Engineering	2000 - 2003
Lecturer College of Electrical & Mechanical Engineering	1997 - 2000
Awards	
RPA Research Productivity Award by Ministry of Science and Technology, Pakistan.	2003

National Projects Solutions of the Einstein-Maxwell Field Equations and Foliations of Some Spacetimes 2022 Funding Agency: HEC Amount: PKR 11,220,000.00 Status: Completed **International Projects Research Articles** Constant Mean Curvature Slices for the Schwarzschild-anti-de Sitter Spacetime 2024 Farrukh Haidar Azad Akhter Siddiqui International Journal of Theoretical Physics, Volume 63, Article Number 283 Impact Factor: 1.300 | Quartile: 3 DOI: https://doi.org/10.1007/s10773-024-05819-0 An approximate solution of the Blasius problem using spectral method 2024 Zunera Shoukat Azad Akhter Siddiqui M. Huzaifa Yaseen M. Ijaz Khan Barno Sayfutdinovna Abdullaeva M. Waqas Manish Gupta Partial Differential Equations in Applied Mathematics, Volume 11, Article Number 100896 Impact Factor: N/A DOI: https://doi.org/10.1016/j.padiff.2024.100896 Center of mass energy of two charged particles around a magnetic Kerr black hole 2024 Ayesha Zakria Azad Akhter Siddiqui International Journal of Modern Physics D, Volume:33, Issue:12, Article Number 2450044 (16 pages) Impact Factor: 1.800 | Quartile: 3 | Citations: 1 DOI: https://doi.org/10.1142/S0218271824500445 Weak cosmic censorship conjecture by overspinning the Kerr-Newman-Kasuya black hole 2024 Ayyesha Kanwal Ahmed Azad Akhter Siddiqui Modern Physics Letters A, Volume 39, No.12, Article Number 2450049 (8 pages) Impact Factor: 1.500 | Quartile: 2 DOI: https://doi.org/10.1142/S0217732324500494 Flat foliation of the Schwarzschild-anti-de Sitter metric 2023 Farrukh Haidar Azad Akhter Siddiqui Physica Scripta, Volume 98, Number 12, Article Number 125255 Impact Factor: 2.9 | Quartile: 2 DOI: 10.1088/1402-4896/ad0759 Constant mean curvature foliation of the Taub-NUT metric 2023 Farrukh Haidar Azad Akhter Siddiqui European Physical Journal Plus, Volume 138, Issue 11, Article Number 989 Impact Factor: 3.4 | Quartile: 2 | Citations: 1 DOI: 10.1140/epjp/s13360-023-04637-3 2023 An Approximate Closed-Form Solution for Mass Transfer Flow Due to a Rotating Rough and Porous Disk Zeshan Zulifqar Azad Akhter Siddiqui Asad Ali Arabian Journal for Science and Engineering, Pages 1-8 Impact Factor: 2.9 | Quartile: 2 | Citations: 4 DOI: https://doi.org/10.1007/s13369-023-08331-5 Self-force effects around charged (2+1)-dimensional BTZ black hole in the Einstein-Gauss-Bonnet 2023 gravity Ayyesha K. Ahmed Azad Akhter Siddiqui Modern Physics Letters A, Volume 2023, Article Number 2350077 (10 Pages) Impact Factor: 1.4 | Quartile: 3 DOI: https://doi.org/10.1142/S0217732323500773

2022

A systematic approach to find solutions of the Einstein-Maxwell field equations for static spherically

symmetric spacetimes using Segre classification

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A Novel Approach to Develop a Closed-Form Solution for MHD Flow Induced by a Rotating Disk Zeshan Zulifqar Azad Akhter Siddiqui Meraj Mustafa Hashmi IEEE Access, Volume 7, page 124410 Impact Factor: 3.745 Quartile: 1 Citations: 3 DOI: 10.1109/ACCESS.2019.2938314	2019
First law of black hole thermodynamics for the Kerr black hole using foliation Syed Muhammad Jawwad Riaz Azad Akhter Siddiqui Journal of Astrophysics and Astronomy, Volume: 40 Issue: 3 Impact Factor: 1.273 Quartile: 3 Citations: 1 DOI: 10.1007/s12036-019-9588-z	2019
On Spherically Symmetric Solutions of the Einstein-Maxwell Field Equations Tooba Feroze Azad Akhter Siddiqui Rashida Bibi General Letters in Mathematics, Vol. 3, No. 3, Dec 2017, pp.164-168 Impact Factor: N/A DOI: http://www.refaad.com/views/GLM/333.html	2017
Non-Static Spherically Symmetric Exact Solution of the Einstein-Maxwell Field Equations Ayesha Mahmood Azad Akhter Siddiqui Tooba Feroze Journal of the Korean Physical Society, NULL Impact Factor: 0.493 Quartile: 4 Citations: 3 DOI: doi:https://doi.org/10.3938/jkps.71.396	2017
A Class of Non-Static Exact Solutions of the Einstein-Maxwell Field Equations Ayesha Mehmood Azad Akhtar Siddiqui TOOBA SIDDIQUI International Journal of Modern Physics D, International Journal of Modern Physics D Vol. 26, No. 5 (2017) 1741008 (12 pages) Impact Factor: 2.171 Quartile: 2 DOI: 10.1142/S0218271817410085	2017
A class of nonstatic exact solutions of the Einstein-Maxwell field equations Ayesha Mahmood Azad Akhtar Siddiqui Tooba Feroze International Journal of Modern Physics D, Volume: 26 Issue: 5 Special Issue: SI Article Number: 1741008 Impact Factor: 2.171 Quartile: 2 DOI: http://dx.doi.org/10.1142/S0218271817410085	2017
Solution of the Einstein-Maxwell equations with anisotropic negative pressure as a potential model of a dark energy star Rashida Bibi Tooba Feroze Azad Akhter Siddiqui Canadian Journal of Physics, Volume: 94 Issue: 8 Pages: 758-762 Impact Factor: 0.877 Quartile: 3 Citations: 7 DOI: 10.1139/cjp-2016-0069	2016
On the extremal energy of bicyclic digraphs Mehtab Khan Rashid Farooq Azad Akhter Siddiqui Journal of Mathematical Inequalities, Volume 9, Issue 3, Pages 799-810 Impact Factor: 0.636 Quartile: 2 Citations: 20 DOI: 10.7153/jmi-09-66	2015
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Some Exact Solutions of the Einstein-Maxwell Equation with Quadratic Equation of State Tooba Feroze Azad Akhtar Siddiqui Journal of Korean Physical Society, Volume: 65 Issue: 6 Pages: 944-947 Special Issue: SI Impact Factor: 0.418 Quartile: 4 Citations: 16 DOI: 10.3938/jkps.65.944	2014
Proceedings of the 4th Italian-Pakistani Workshop on Relativistic Astrophysics Preface Francesco De Paolis Asghar Qadir AZAD AKHTER SIDDIQUI Physica Scripta, Volume: 89, Issue: 8, Article Number: 080301 Impact Factor: 1.126 Quartile: 3 Citations: 2 DOI: 10.1088/0031-8949/89/8/080301	2014
A Method for Generating Approximate Similarity Solutions of Nonlinear Partial Differential Equations Mazhar Iqbal M. T. Mustafa Azad Akhter Siddiqui Abstract and Applied Analysis, Volume 2014, Article ID 105414, 6 pages Impact Factor: N/A Citations: 1 DOI: 10.1155/2014/105414	2014
Accretion of Phantom energy onto a Rotating BTZ Black Hole Salahudin AZAD AKHTER SIDDIQUI M. Akbar Journal of Physics: Conference Series, , Vol. 354, Article No. 012017, Impact Factor: - DOI: http://iopscience.iop.org/article/10.1088/1742-6596/354/1/012017/meta	2012
Comments on revisiting the classical electron model in general relativity Azad Akhter Siddiqui Tooba Feroze Astrophysics and Space Science, Volume: 335 Issue: 2 Pages: 337-337 Impact Factor: 1.686 Quartile: 2 DOI: 10.1007/s10509-011-0785-8	2011
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Foliation of the Schwarzschild & Reissner-Nordstrom Spacetimes by Flat Spacelike Hypersurfaces ASGHAR QADIR AZAD A. SIDDIQUI International Journal of Modern Physics D, Volume: 15 Issue: 9 Pages: 1419-1440 Impact Factor: 1.651 Quartile: 2 Citations: 18 DOI: 10.1142/S0218271806009157	2006
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AZAD AKHTER SIDDIQUI

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