



Smitha T.T

Lecturer

Mathematical and Physical Sciences - Mathematics Section

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Time at UoN: Since 2007

Received PhD in Applied Mathematics from Manonmaniam Sundaranar University in Tamil Nadu, India, a M.Sc in Mathematics from Mahatma Gandhi University in Kerala, India 2004, B.Ed degree in Mathematics from Mahatma Gandhi University in Kerala, India 2005, and B.Sc degree in Mathematics from Mahatma Gandhi University in Kerala, India 2002 . Currently working at the University of Nizwa as a Lecturer. Her research interests are "General Relativity and Graph Theory"

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Academic Qualifications

PhD, Manonmaniam Sundaranar University, 2014

B.Ed, Mahatma Gandhi University, 2005

M.Sc, Mahatma Gandhi University, 2004

B.Sc, Mahatma Gandhi University, 2002

Teaching Activities

Precalculus, Calculus I, Calculus II, Calculus III, Advanced Calculus, Discrete Mathematics, Mathematics for Teachers, Graph Theory, Linear Algebra, Differential Equations for Engineers, Introduction to Group Theory, Introduction to Statistics, Introduction to Number Theory, Topics in Mathematics, Mathematical Economics and Mathematical Economics Intermediate.

Research Activities

- Research Interests

General Relativity

Graph Theory

- Publications

Article:

1. 2018 i. M K Jasim, Inamm A Maluki, Smitha T.T & Arwa A Abdul Malik ; "Generalised Exact Solution for a Spherical Symmetric Perfect Fluid Sphere Model of Embedding Class Two", Applied Mathematical Sciences, Vol.5,2011, no.16, 763-774.
2. 2018 ii. M K Jasim, Dhuha M saleh Al yasseri& Smitha T.T ;"On Lie's Reduction Theorem through an Application for a Relativistic Radiating Fluid Spheres Model",Volume 4, Number 1, February 2011.
3. 2018 iii. Smitha T.T & M.K Jasim, "Invariant Solutions of Einstein's Field Equations for Conformally Flat Fluid Spheres of Embedding Class One", International Journal of Theoretical Physics. DOI 10.1007/s10773-013-1708-y(2013).
4. 2018 iv. S.K Maurya, Y.K Gupta, Baiju Dayayanandan & Smitha T.T "Three new exact solutions for charged fluid spheres in general Relativity", International Journal of Astrophysics and Space Science. DOI 10.1007/s10509-014-2200-8(2014)
5. 2018 v. Baiju Dayanandan, S.K. Maurya, Y.K. Gupta, Smitha T.T "Anisotropic generalization of Matese &Whitman solution for compact star models in general relativity", International Journal of Astrophysics and Space Science , Vol:361, Iss:5, pp:page-1-11, 2016.
6. 2018 vi. S.K. Maurya, M.K. Jasim, Y.K. Gupta, T.T. Smitha " A new model for charged anisotropic compact star", International Journal of Astrophysics and Space Science, Vol:361, Iss:5, pp:163, 2016.
7. 2018 vii. S. K. Maurya, Y. K. Gupta, Smitha T.T., Farook Rahaman "A new exact

anisotropic solution of embedding class one", The European Physical Journal A", Vol:52, Iss:7, pp:1-12, Article no. 191,2016.

8. 2018 viii. BaijuDayanandan ,S.K. Maurya , T.T. Smitha,Y.K. Gupta."Modeling of charged anisotropic compact star in general relativity".The European Physical Journal A(2017)

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