Curriculum Vitae

PERSONAL INFORMATION

Name: Emad Mohamed Solouma

Qualification: PHD in Mathematics

Date of Birth: 25/9/1974

Place of Birth: Beni-Suef, Egypt ,

Nationality: Egyptian

Marital Status: Married

Languages: Arabic, English

PERMANENT ADDRESS

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(Present address) **Associate Professor**,
Al Imam Mohammed Ibn Saud Islamic University,
College of Science,
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TITLE AND EDUCATION

2007	Ph.D. in Pure Mathematics (Differential Geometry) Faculty of Science, University of Assuit , Egypt-Country.
2001	M.Sc. in Pure Mathematics (Algebraic Topology) Faculty of Science, University of Ain-Shams, Egypt-Country.
1996	B.Sc. in Mathematics. Faculty of Science, University of Cairo Beni-Suef Branch, Egypt-Country.

ACADEMIC APPOINTMENTS

2017- Present	Associated Professor, Department of Math. & Stat., College of Science , Al-Imam Mohammed Ibn- Saud Islamic University, Riyadh, Saudi Arabia.
2013- 2017	Assistant Professor, Department of Math. & Stat., College of Science , Al-Imam Mohammed Ibn- Saud Islamic University, Riyadh, Saudi Arabia.
2009- 2012	Assistant Professor, Department of Mathematics, Teachers College, King Saud University, Riyadh, Saudi Arabia.
2008- 2009	Assistant Professor, Department of Mathematics, Faculty of Science, University of King Khalid, Kingdom of Saudi Arabia -Country
2007 - 2008	Assistant Professor, Department of Mathematics, Faculty of Science, University of Beni-Suef, Egypt-Country.
2001 – 2003	**Lecture**, Department of Mathematics, Teachers College,

Al-Ehsaa, Ministry of Education, Kingdom of Saudi Arabia –Country.

2001 - 2007 **Lecture**, Department of Mathematics, Faculty of Science, University of Cairo, Beni-Suef Branch, Egypt-Country.

1997– 2001 **Demonstrator**, Department of Mathematics Faculty of Science, University of Cairo, Beni-Suef Branch, Egypt-Country

COURSES TAUGHT

ACADEMIC YEAR	COURSES		NOTICES
	Code	Name	
2007-2008	408 - Math	Differential Geometry	In faculty of Science, Beni-Suef University , Beni-Suef, Egypt.
	207 - Math	Analytical Geometry	
	310 - Math	General Topology	
	206 - Math	Linear Algebra	
	204 - Math	Advanced Calculus	
2008-2009	001 - Math	Mathematics1	In faculty of Science, faculty of Computer Science and faculty of Engineering, King Khalid University , Abha, KSA.
	113 - Math	Calculus	
	119 - Math	Calculus1	
	129–Math	Algebra and Geometry	
	229 - Math	Calculus3	
	481 - Math	Introduction to Topology	
2009-2013	201 - math	Calculus1	In Teachers College, King Saud University , Riyadh,
	221 - math	Analytical Geometry	
	120 - math	Algebra and Analytical Geometry	
	101 - math	Calculus1	

	211 - math	Integration and Differentiation	KSA
	453 - math	Complex Analysis	
	447 - math	Linear Algebra	
	422 - math	Basics of Geometry	
	451 - math	Complex Analysis	
	483 - math	Numerical Analysis	
	491 - math	History of Mathematics	
	382 - math	Non-Euclidean Geometry	
	143 - math	Algebra	
	204 - math	Vector Analysis	
	235 - math	Analytical Geometry	
	312 - math	Advanced Calculus	
	313 - math	Introduction to Real Analysis	
2013-Present	Math - 050	Pre-Calculus (1)	In College of Science, Al-Imam Mohammed Ibn Saud Islamic University, Riyadh, KSA
	Math - 016	Pre-Calculus	
	Math - 060	Pre-Calculus (2)	
	Math - 203	Calculus 3	
	Math - 483	Selected Course (2) (Differential Geometry)	
	Math - 102	Calculus 2	
	Math 113	Applied Calculus 1	
	Math 114	Applied Calculus 2	
	Math 221	Introduction to Linear Algebra	
	Math 231	Introduction to Differential Equations	
	Math 699	Research to M.Sc.	

CONFERENCES AND WORKSHOPS

(1) International conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), May 19-23, 2016, Bodrum-Mugla, Turkey, www.rciapam.org

(2) The First Conference of the Saudi Association for Statistical Science, King Khalid University, Abha, Saudi Arabia, 14-15 April 2009.

(3) International Conference on Mathematics and the 21st Century, Cairo, Egypt, January 2000.

LIST OF PUBLICATIONS

[1] M. A. Solliman, A. H. Khater, F. M. Hamdoon and E. M. Solouma, Three dimensional surfaces foliated by two dimensional spheres, J. of Egyp. Math. Soc., 1, pp. (101-110), 2007.

[2] F. M. Hamdoon and E. M. Solouma, Constant scalar curvature of cyclic surfaces in R^5, J. of Geometry, 92, pp. (69 – 78), 2009.

[3] E. M. Solouma, Local study of constant scalar curvature of two-dimensional surfaces obtained by the motion of circle, J. of Applied Mathematics and Computation, 219(8), pp. (3385-3394), 2012.

[4] E. M. Solouma, Three dimensional surfaces foliated by the equiform motion of pseduohyperbolic surfaces, JP Journal of Geometry and Topology, 17(2), pp. (109-126), 2015.

[5] M. M. Wageeda and E. M. Solouma, Local study of scalar curvature of cyclic surfaces obtained by homothetic motion of a Lorentzian circle, Journal of Applied Mathematics, 6, pp. (1344-1352), 2015.

[6] E. M. Solouma, M. M. Wageeda, Y. Gh. Gouda and M. Bary, Studying scalar curvature of two dimensional kinematic surfaces obtained by using similarity kinematic of a deltoid, Journal of Applied Mathematics, 6, pp.

(1353-1361), 2015.

[7] M. M. Wageeda, E. M. Solouma, Y. GH. Gouda and A. I. Qommary, Some properties of the two-dimensional kinematic surfaces obtained by an equiform motion of a sinusoidal curve, International Journal of Advanced Research in Science, Engineering and Technology, 2(7), pp. (736-743), 2015.

[8] Emad M. Solouma and Mohamed M. Khader, Approximate Technique for Solving Class of Fractional Variational Problems, Journal of Applied Mathematics, 6, pp. (837-846), 2015.

[9] M. M. Khader and E. M. Solouma, Introducing FDM combined with Hermite formula for solving numerically the linear fractional Klein-Gordon equation, Journal of Computational and Theoretical Nanoscience, Vol. 12, pp. (4579–4583), 2015.

[10] E. M. Solouma, Kinematic surfaces with constant scalar curvature in Euclidean 5-space,), Inter. conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), May 19-23, 2016, Bodrum-Mugla, Turkey, www.rciapam.org.

[11] E. M. Solouma, Some Characterizations of Timelike Canal Surfaces According to Bishop frame in Minkowski 4-space, International Mathematical Forum, Vol. 11(18), pp. (875 – 884), 2016.

[12] E. M. Solouma, Investigation of non-lightlike tubular surfaces with Darboux frame in Minkowski 3-space, J. of Communication in Mathematical Modeling and Applications, 1(2), pp. (58-65), 2016.

[13] E. M. Solouma, M. M. Wageeda, Some characterizations of constant ratio curves according to Bishop frame in Minkowski 4-space, Journal of Abstract and Computational Mathematics, 1(1), pp. (47-54), 2016.

[14] E. M. Solouma, M. M. Wageeda, Three dimensional kinematic surfaces with constant scalar curvature Lorentz-Minkowski 7-space, J. of Bulletin

of Mathematical Analysis and Applications, 8 Issue 4, pp. (23-32), 2016.

[15] E. M. Solouma, Type-2 spacelike Bishop frame and an application to spherical image in Minkowski space-time, Inter. J. of Applied and Computational Mathematics, (2017) DOI 10.1007/s40819-017-0316-6.

[16] E. M. Solouma, Special Smarandache curves recording by curves on a spacelike surface in Minkowski space-time, PONTE Journal, Vol. 73 (2), pp. (251-263), 2017. DOI: 10.21506/ j. ponte.2017.2.20

[17] E. M. Solouma, Special Smarandache curves according to Bishop frame in Euclidean space-time, International J. Math. Combinatorics, 1 (2017), 1-9.

[18] E. M. Solouma, M. M. Wageeda , Two dimensional kinematic surfaces with constant scalar curvature in Lorentz–Minkowski 7-space, Journal of Nonlinear Engenering-Modeling and Applications, , 6 (2) (2017), pp. 1-6: **DOI:** https://doi.org/10.1515/nleng-2016-0012

[19] E. M. Solouma, Two dimensional kinematic surface in Lorentz-Minkowski 5-space with constant scalar curvature, Applications and Applied Mathematics: An International Journal (AAM), accepted to appear.

[20] E. M. Solouma, Special equiform Smarandache curves in Minkowski space-time, Journal of Egyptian Math. Society, . Society, (2017), 1-7, http://dx.doi.org/10.1016/j.joems.2017.04.003.