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MU_FSCI_MATH_Di EQ_Mohamed. El-Shekh



1-MU_FSCI_MATH_Di EQ_DATA_Mohamed. El-Shekh

Professor Mohamed Mahmoud Aly Ibrahim El-Sheikh

Birth Date: 28-1-1951

Present Position: Head of Department of Mathematics, Faculty of Sciences Minufiya University, Shebeen El-Koom, Egypt

Home Address: 8-Hassan Faheem , Abou Gaafar El-Nahaas, Nozha st. Golf Land Nasr City, Cairo.

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Experience:

2000-2003 : Head of Mathematics Department , Faculty of Sciences Minufiya University

1992- 2000: Assistant Professor in the Department of Mathematics

1988-1992 : Lecturer in Department. Mathematics Department.

Avisitor to Nottingham University for six months July 2000-Jan. 2001

2003-2006 worked as a professor in Qatar university

Education:

PhD. in Ordinary Differential Equations, Faculty of Sciences, Al-Azhar University, Cairo Egypt. 1985

Master of Sciences, Pure Mathematics 1979 , Differential Equations, Heriot Watt University, Edinburgh, Scotland U.K.

Bachelor of Sciences , Faculty of Sciences, Ain Shams University 1974 , with Grade very Good.

2- MU_FSCI_MATH_Di EQ_LINK_Mohamed. El-Shekh

Activities:

1-A reviewer Member in Mathematical Review , American Mathematical Society since 2005

2- Member in International Editorial Board of Journal of Chaos , Solitons and Fractals

3-A member in Marquis Whos Who 2006

4-A member in Egyptian Mathematical Society.

5- A member in the Egyptian national committee of Mathematics.

6-Supervisor and Examiner for Ph.D. and M.Sc. theses in Menoufia , Benha, Zagazig, Azhar, Alexandria, and Tanta Universities

Research Works: 1-k.J.Brown.M.A.Ibrahim El-Sheikh and R.Shivaji "S-Shaped Bifurcation curves" J.Non Linear Analysis, Theory, Methods, Applications Vol.5 No.5(1981)pp.475-486.

- 2-A.A.S.Zaghroun and M.M.A.EL-Sheikh"On the Branching Solutions of Second Order Differential Equations" Proc.Pakistan.Sci.Vol.21 No. 2 (1984),161-176
- 3-H.El-Owaidy and M.A.El-Sheikh,"On the Solutions of the Belousouv-Zhabotinskii reaction System",TamKang J. of Math. Vol. 18,No.4(1987) 65-75.
- 4-H.El-Owaidy and M.M.A. EL-Sheikh,"On Stability and Bifurcation of Solutions of the Belousouv-Zhabotinskii Reaction System"J.Math. Anal.And Appl.Vol. 151 No.2 (1990) 438-452.
- 5-A.A.Ammar and M.M.A .EL-Sheikh"On Stability and Oscillations in Realistic Predator-prey model with time lag"J.Faculty of Education.Ain Shams University No.15 (1990) 297-310.
- 6-M.M.A.EL-Sheikh and A.A.Ammar," On the Stability and Bifurcation of Solutions of a general SEIR Epidemiological Model"J.ANALELE STIINTIFICE ALE UNIVERSITA II "AL.I.GUZA" IASI Sectinnea Mathematica Romania 4 (1990) 379-384.
- 7-M.M.A.El-Sheikh," A Note on the Bifurcation of Periodic Solutions of Activator-Inhibitor System " J.Inst.Math.&Comp.Sci.(Math Ser.)Vol.4 No.2 (1991)151-158
- 8-M.M.A.EL-Sheikh and A.A.Soliman," A Generalized Liapunov Function with uniform Stability of Solutions of Differential Equations "J.Delta Science, Faculty of Sciences,Tanta University 15 (2) 1991,pp.1-17
- 9- M.M.A.EL-Sheikh and A.A.Soliman," On Stability and Bifurcation of Immune System. "J. ANALELE STIINTIFICE ALE UNIVERSITA II "AL.I.GUZA" IASI Sectinnea Mathematica Romania 1 (1992) 59-74
- 10- M.M.A.EL-Sheikh and Abou-Holla," On Existence and Uniqueness of Periodic Solutions of Second Order Differential Equations ",J.Faculty of Education ,Ain Shams University,Egypt 16 (1991) 107-116
- 11- M.M.A.EL-Sheikh," Oscillation and Nonoscillation Criteria for Second Order Nonlinear Differential Equations",J.Mathematical Analysis and Application Vol.179 No.1(1993) 14-27
- 12- M.M.A.EL-Sheikh," Oscillation and Nonoscillation Criteria for Second Order Nonlinear Differential Equations",J.Appl.Math .Comput.59(1993) No..2-3,pp.101-115
- 13- M.M.A.EL-Sheikh,On Oscillatory Behavior of Solutions of Second Order Functional Differential Equations." J.Appl.Math .Comput. 62 (1994) 183-189.
- 14- M.M.A.EL-Sheikh and A.A.Soliman," On Lipschitz Stability for Nonlinear System of Ordinary Differential Equations." J.Diff.Equations and Dynamical Systems 3 (1995) 235-250
- 15- M.M.A.EL-Sheikh "On Oscillatory and Asymptotic Behavior of Solutions of Second Order Functional Differential Equations" J.Faculty of Education ,Ain Shams University,No.20 (1995) ,511-520
- 16- M.M.A.EL-Sheikh and A.A.Soliman," Stability Criteria of Nonlinear Systems of Differential Equations" Panamer.Math.J.5(1995) No.3,17-30
- 17-A. Zaghroun,A.Ammar,and M.M.A.El-Sheikh," Oscillation and Global Attractivity in Delay Differential Equations of Population Dynamics."J.Appl.Math.Comput.Vol.77 (1996) No..2-3,pp.195-204
- 18- M.M.A.EL-Sheikh and A.A.Soliman," Lipschitz Stability for Nonlinear Systems of Functional Differential Equations." Panamer.Math.J.9(1999) No.3,pp.95-107

- 19- M.M.A.El-Sheikh and R.Sallam, "Oscillation Criteria for Second Order Functional Differential Equations", *J.Appl.Math .Comput.*115(2000),113-121
- 20- M.M.A.El-Sheikh,A.A.Soliman,and M.H.Abd-Allah," On Stability of Nonlinear Systems of Ordinary Differential Equations", *J.Appl.Math .Comput.*113(2000),175-198
- 21- M.M.A.El-Sheikh and A.A.Soliman," On Stability Of Nonlinear Systems Of Functional Differential Equations." *J. Appl.Math .Comput.* 107 (2000) ,81-93
- 22- M.M.A.El-Sheikh," On Liapunov-Razumikhin Stability for a Generalized Delayed Voltera System." *J.Fractional Calculus Vol.18(2000)* 119-125
- 23-M.M.A.El-Sheikh,A.A.Soliman,and M.H.Abd-Allah," On Stability Of Nonlinear Differential Systems Via Cone-Valued Liapunov Function Method." *J. Appl.Math .Comput.* 119 (2001) ,265-281
- 24-M.Eissa,S.A. El-Serafi,M.El-Sheikh,and M.Sayed,"Simulation Resonance of nonlinear Spring Pendulum system subjected to multi-excitation *Sci Bull.Fac.Eng.Ain Shams Univ.*Vol 37,No.4,2002 651-679
- 25-M.M.Kamel,S.A.El-Serafi,M.El-Sheikh,and A.El-Mandouh,'Subharmonic Resonance of a post-Buckled Beam under parametric and external excitations *Bull.Fac.Sci Assiut Univ.*Vol 31No. 2(2002)25-36
- 26-J.B.V.Den Berg ,M.Bowen,J King and M.M.A.El-Sheikh," The Self –Similar Solution for Draining in the Thin Film Equation. " *Euro.J.of Applied Mathematics(2004)*,Vol 15(2004)pp.329-346,Cambridge University Press
- 27- M.M.A.El-Sheikh," Lipschitz Stability Criteria for a Generalized Delayed Kolmogrov Model. " *J.Applied Math.and Computing Vol.10 No.1-2(2002)* 75-81
- 28- M.M.A.El-Sheikh ,R.Sallam,and A.El-Gaber" On Oscillation and Nonoscillation Theorem for Second Order Differential Equations " *Processing of the Egyptian Math.Society.International Conference ,Cairo(2002)*28-31
- 29-M.Eissa, S.A.El-Serafi, M.M.A.El-Sheikh,and M.Sayed," Stability and Primary Simulataneous Resource of Harmonically Excited Nonlinear Spring Pendulum System. Of Nonlinear Systems " *J.Appl.Math .Comput.*(2002)1-22
- 30-- M.M.A.El-Sheikh,and S.A.Mahrouf," On Stability and Bifurcation of Solutions of a SEIR Epidemic Model With Vertical Transmission." *International J.of Mathematics and Mathematical Sciences*No.56(2004)2971-2987.
- 31- M.M.A.El-Sheikh,and S.A.Mahrouf," Stability and Bifurcation of a Simple Food Chain in a Chemostat with Remvable Rates. " *J.Chaos,Solitons and Fractals Vol.23,No.4,(2005)* 1475-1489
- 32- M.M.A.El-Sheikh,and S.A.Mahrouf," On Stability and Bifurcation of Periodic Solutions of Delay Differential Equations." *International J.of Applied Mathematics and Computing* ,No.19,(2005) 281-296
- 33-M.Rashdan,M.El sheikh, and E.Hassib "Frgmentation of Unstable Neutron-rich Projectiles at Intermediate Energy- nucleus Collisions" *international journal of nonlinear siences and Numerical simulation Vol 6 No.3 (2005)*,295-304
- 34- M.M.A.El-Sheikh, M.H.Abd-Allah, and E.El-Maghraby "Oscillation and Nonoscillation Of Nonlinear Second Order Difference Equations." *International J.of Applied Mathematics and Computing* ,Vol.21,No.1-2(2006) 203-214.

- 35-M.M.A.El-Sheikh," On Qualitative Properties Of solutions Of Autonomous System arising in Epidemic Models" AIML 06,International Conference, 13-15 June 2006,Sharm El-Sheikh,Egypt.pp.120-123
- 36- M.M.A.EL-Sheikh,and H.F.Emara" Multiple Positive Solutions of Some Boundary Value Problems." Sci Bull.Fac.Eng.ISSN1110 vol 41No.4(2006)735-748
- 37- M.M.A.EL-Sheikh ,R.Sallam,and A.El-Gaber," Oscillation of Higher Order Nonlinear Neutral Delay Differential Equations. " To Appear in International J.of Pure and Applied Mathematics,2007
- 38- M.M.A.EL-Sheikh ,R.Sallam,and A.El-Gaber " Oscillatory and Asymptotic Behavior of Solutions of Third OrderFunctional Differential Equations " To Appear in International J.of Mathematics and Mathematical Sciences.
- 39 M.M.A.El-Sheikh,and S.A.Mahrouf," On Stability of Solutions of a Perturbed Nonlinear Differential Systems." To appear in International J.of Mathematics and Mathematical Sciences.
- 40-M.M.A.El-Sheikh,R.Sallam,and A.Gaber,"The Oscillatory Behavior of Solutions of N-th Order Nonlinear Differential Equations' To appear in International J. of Applied Mathematics.
- 41-G.Ibrahim,M.M.A.El-Sheikh,andA.M.Al-Mahdy,"Stability and Bifurcation Of a Model Of Bioreactor With Cell Recycling Using General Form Of Rate Functions."Under Publication