

Curriculum Vitae

Haji Mohammad Mohammadinejad

PERSONAL INFORMATION

Birth Date: 6 may 1965
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EDUCATION:

(2000-2005) Ph. D: **University of Sistan and baluchestan – Zahdan- Iran.**

(1991- 1993) MSc: **University of Tabriz of University – Tabriz - Iran.**

(1984- 1988) BSc: **University of Birjand- Birjand - Iran.**

RESEARCH INTEREST:

- **Differential equations and Bifurcation theory**
- **Dynamical systems**
- **Theory chaos**

Books :

- **Mathematical Analysis 1**
 - **Mathematical Analysis 2**
 - **Fundamental Theory of Differential equations and dynamical systems.**
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PUBLICATIONS:



Hopf bifurcation analysis in a delayed system for cancer virotherapy

A Ashyani, H Mohammadinejad, O RabieiMotlagh - Indagationes Mathematicae, 2016



Control of Bifurcation in Internet Model with Time-Delay

M Darvishi, HM Mohammadinejad - Applied and Computational Mathematics, 2016



Stability and Hopf-bifurcating periodic solution for delayed Hopfield neural networks with n neuron

HM Mohammadinejad, MH Moslehi - Journal of Applied Mathematics, 2014



STABILITY AND HOPF BIFURCATION IN A CLASS OF DELAYED NEURAL NETWORK MODEL

H MOHAMMADINEJAD, M HADI - 2013



CAD mesh models segmentation into swept surfaces

A Miandarhoie, K Khalili, H Mohammadinejad - The International Journal of Advanced Manufacturing ..., 2017



J. Adv. Math. Stud.

A ASHYANI, H MOHAMMADINEJAD...



Effective Control and Hopf Bifurcation Analysis in a Time-delayed model

M Darvishi, H MOHAMMADINEJAD - 2016



Hopf bifurcation control of ecological model via PD controller

M Darvishi, HM Mohammadinejad - Global Journal of Pure and Applied Mathematics, 2016



On the decomposition of operators with several almost-invariant subspaces

..., MALI FARZANEH, HM MOHAMMADINEJAD - Bulletin of the Australian Mathematical Society, 2019



HOPF BIFURCATION ANALYSIS AND DESIGN OF HYBRID CONTROL FOR GROWTH MODEL WITH DELAY

M Darvishi, HM Mohammadinejad - International Journal of Pure and Applied Mathematics, 2016

UPPER BOUND FOR THE NUMBER OF LIMIT CYCLES IN A LIENARD SYSTEM

HM MOHAMMADINEZHAD - 2015



HOPF BIFURCATION CONTROL WITH PD CONTROLLER

M DARVISHI, HM MOHAMMADINEJAD



Stability Analysis of Mathematical Model of Virus Therapy for Cancer

A Ashyani, O Rabieimotlagh - Iranian Journal of Mathematical Sciences and ..., 2016



On the conditions of Hopf bifurcation for an oscillatory model of p53 Mdm2 and ATM proteins.

Tanouri, Z., Rabieimotlagh, O., and Mohammadinejad, H. M.

International journal of Biomathematics. (2014).

On the conditions of Hopf bifurcation for ATM protein and DNA damage signal model; cuts off the DNA healing process.

Tanouri, Z., Rabieimotlagh, O., and Mohammadinejad, H. M. British journal of Mathematics computer Science .(2013). Vol, 3 No (4).pp,801-810.

Commutator of Automorphisms. khosravi, H.,Golmakani, H.,and Mohammadinejad, H.M..International journal of Mathematical Archive, (2010) Vol ,10 No (20)

Divisibility for all numbers. khosravi, H.,Golmakani, H.,and Mohammadinejad, H.M. (2010), Article journal of Pur algebra , Vol , 7 No (1)

Left and right 2-engele elements of derivative of groups.. khosravi, H.,Golmakani, H.,and Mohammadinejad, H.M. (2010), International journal of Mathematical Archive, Vol,10 No(20)

The control of an infectious disease in a two stages SIRS model with a dual vaccination program.Baniasadi Moghadam , M., Mohammadinejad, H. M., And Rabieimotlagh, O International Mathematical forum journal for Theory and applications. (2014) . Vol, 14,No(9) pp, 697-712

Patterns of pandemic in a two stages SIRS model with a public health program,Baniasadi Moghadam , M., Mohammadinejad, H. M., And Rabieimotlagh, O. International journal of pure and applied Mathematics. (2015) . Vol,101 No(2) pp, 251-266

Control of epidemic by vaccination in a SIRS model with two infected categories. Baniasadi Moghadam , M., Mohammadinejad, H. M., And Rabieimotlagh, O. International journal of pure and applied Mathematics. (2015) . Vol, 102 No(2) pp, 209-223

Conference Papers:

- 1- **Mohammadinejad, H. M. and Mahmoei, S., (2008), “*linearization for stste-dependent delay differential equations*” 12th Seminar on differential equations and dynamical Systems,Tabriz,Iran.**
- 2- **Mohammadinejad, H. M.and Ashyani, A. “*Stability of hopf bifurcation in delay differential equation*”,11th Seminar on differential equations and dynamical systemsDamghan-Iran.**
- 3- **Mohammadinejad, H. M. and Ashyani, A. (2012).“*Application of dynamical systems in cancer therapy*”, 11th Seminar on differential equations and dynamical systems,Damghan-Iran.**
- 4- **Mohammadinejad, H. M. and Avazpour, P.“*Properties of algebracaliy reflexivity of some isometry groups*”, 42th , Annual Iranian Mathematics Conference,jan-Iran. Rafsan**
- 5- **Mohammadinejad, H. M. and Avazpour, P. (2014). “*Banach space and 2-local Automorphisms*” 19th ,Mathematical Semina on Analysis and its Applications, Mazandran, Babolsar-Iran.**
- 6- **Mohammadinejad, H. M. Jafarinia, S. “*fuzzy general linear system*” 11th Iranian Conferenae on Fuzzy Systems, Sistan and Baluchestan, Zahdan-Iran.**
- 7- **Mohammadinejad, H. M. Moslehi, M. H. “ *The fuzzy differential equation with piecewise constant argument*”, 11th Iranian Conferenae on Fuzzy Systems, Sistan and Baluchestan, Zahdan-Iran.**
- 8 - **Mohammadinejad, H. M. Moslehi, M. H. “ *The Linear Automorphisms which preserve diagonalizbility*” 42th Annual Iranian Mathematics Conference, Rafsanjan-Iran.**
- 10 - **Mohammadinejad, H. M. Moslehi, M. H. “ *Comparison and unification of theory for stability of dynamical systems*”, 6th Seminar on Geomategy ana Topology, Bonab-Iran.**
- 11- **Mohammadinejad, H. M. Baniasadi, M . “*Stability Preserving mapping for partial stability under z-perturbations*”, 9th Seminar on differential equations and dynamical Systems, Tabriz-Iran.**
- 12- **Mohammadinejad, H. M. Baniasadi, M. “*Existence and uniqueness issues of a lyapunov matrices for the case of neutral type systems*”, 9th Seminar on differential equations and dynamical Systems, Tabriz-Iran.**

13- Mohammadinejad, H. M. Baniasadi, M. *“Constructing a norm as Lyapunov function ”*, 20th Seminar on Mathematical Analysis and its Applications, Maragheh-Iran.

14- Mohammadinejad, H. M. Babrei, A. *“Positive periodic solutions of functional differential equations”*, 40th Annual Iranian Mathematics Conference, Tehran-Iran.

15- Mohammadinejad, H. M. Moslehi, M. H. *“Stability and Hopf bifurcation in a class of delayed neural network model”*, 44th Annual Iranian Mathematics Conference, Mashhad-iran.