Curriculum Vitae

• Personal ID:

Name	:	Reza Pourgholi
Date of Birth	:	September. 18. 1976
Marital Status	:	Married
Nationality	:	Iranian
Position	:	Professor of applied mathematics
Research Area	:	Partial Differential Equation

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• Education:

(1994–1998)
B. Sc. in Applied Mathematics, Khajeh Nasir Toosi University of Technology, Iran.

(1999-2001)
M. Sc. in Applied Mathematics, Iran University of Science and Technology (IUST), Iran.
Thesis' title:

"Analytical and numerical methods for solving inverse heat conduction problems".

Supervisor: Prof. A. Shidfar.

(2003-2007)
Ph. D. in Applied Mathematics, IUST, Iran.
Thesis' title:

"Numerical solution of linear and nonlinear inverse heat conduction problems".

Supervisor: Prof. A. Shidfar.

• Research interests:

1. Numerical Solution of Partial Differential Equations.
2. Numerical Solution of Inverse Heat Conduction Problems.
3. Numerical Solution of Inverse Diffusion Problems.
4. Numerical Solution of Integral Equations.

• Teaching Experiences:

2001-2007: Iran University of Science and Technology:
(Academic Status: Lecturer)

1. General mathematics (1): B. Sc. Course
2. Ordinary Differential Equations: B. Sc. Course
3. Numerical Computations: B. Sc. Course
4. Numerical Analysis: B. Sc. Course

2001-2007: Islamic Azad University, Science and Research Branch, Tehran:
(Academic Status: Lecturer)

1. General mathematics (1): B. Sc. Course
2. Ordinary Differential Equations: B. Sc. Course
3. Numerical Computations: B. Sc. Course
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2007-2013: Damghan University:
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1. General mathematics (1): B. Sc. Course
2. Ordinary Differential Equations: B. Sc. Course
3. Numerical Computations: B. Sc. Course
4. Numerical Analysis: B. Sc. Course
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6. Numerical Solution of Partial Differential Equations: M. Sc. Course
7. Numerical Methods in Linear Algebra: M. Sc. Course
8. Parabolic Partial Differential Equation: Ph. D. Course
9. Hyperbolic Partial Differential Equation: Ph. D. Course

2013-2023: Damghan University:
(Academic Status: Associate Professor)

1. Ordinary Differential Equations: B. Sc. Course
2. Numerical Computations: B. Sc. Course
3. Numerical Analysis: B. Sc. Course
4. Partial Differential Equations: B. Sc. Course
5. Numerical Solution of Partial Differential Equations: M. Sc. Course
6. Numerical Methods in Linear Algebra: M. Sc. Course
7. Parabolic Partial Differential Equation: Ph. D. Course
8. Hyperbolic Partial Differential Equation: Ph. D. Course

• Conferences (Talks):

1. A. Shidfar and R. Pourgholi, A numerical solution of an inverse heat conduction problem, 2004 WILEY-VCH Verlag Gmb H and Co. KgaA, Weinheim.

2. A. Shidfar and R. Pourgholi, An approximate stable solution for an inverse heat conduction problem, Numerical mathematics Mini-symposia / Special Sessions in 47th BAMC-4-7 April 2005.

3. A. Shidfar and R. Pourgholi, Chebyshev polynomials and IHCP, 35th Annual Iranian Mathematics Conference.

4. R. Pourgholi, M. Ebrahimi and N. Azizi, A numerical algorithm to solution a nonlinear inverse diffusion problem. 36th Annual Iranian Mathematics Conference, aimc36.

5. A. Shidfar, R. Pourgholi and G.R. Karamali, Estimation of unknown radiation term for an inverse problem, 36th Annual Iranian Mathematics Conference, aimc36.

6. R. Pourgholi and M. Ebrahimi, A nonlinear inverse diffusion problem, 7th Seminar on Differential Equation and Dynamical Systems, deds7.

7. A. Shidfar, R. Pourgholi and Sh. Badamchizadeh, A numerical algorithm for diffusion coefficient identification during water sorption in wood, 7th Seminar on Differential Equation and Dynamical Systems, deds7.

8. R. Pourgholi, S. Foadian & N. Tavallaei, Applications of Haar wavelet method for solving an inverse parabolic problem, 42nd Annual Iranian Mathematics Conference, 5-8 September 2011, Vali-e-Asr University of Rafsanjan, Iran, pp. 1064-1067.

9. R. Pourgholi & S. Motamedi, Applications of the method of lines for solving an inverse parabolic problem, 42nd Annual Iranian Mathematics Conference, 5-8 September 2011, Vali-e-Asr University of Rafsanjan, Iran, pp 1523-1526.

10. R. Pourgholi, T. Houlari, H. Dana, Solution of inverse heat conduction problem by Sinc-Galerkin method - First National Conference on Computational Science, September, 2012 - 6-7 September 2012, Damghan University.

11. Reza Pourgholi, Sona Parehkar, Saedeh Foadian, Solution of inverse heat parabolic problem with Legendre wavelet basis, First National Conference on Computational Science, September, 2012 - 6-7 September 2012, Damghan University.

12. R. Pourgholi, Z. Binaei , Solving inverse parabolic problems by PSO algorithm - 5th Iranian Conference on Applied Mathematics, September 2-4, 2013 Bu-Ali Sina University.

- **Journal Papers :**

1. A. Shidfar, R. Pourgholi and M. Ebrahimi, A Numerical Method for Solving of a Nonlinear Inverse Diffusion Problem,Computers and Mathematics with Applications 52 (2006) 1021-1030.

2. N. Azizi, A. Shidfar and R. Pourgholi, A stable solution for an inverse heat conduction problem, IUST International Journal of Engineering Science, Vol.16, No.3, 2005.

3. A. Shidfar and R. Pourgholi, Application of finite difference method to analysis an ill-posed problem, Applied Mathematics and Computation, Volume 168, Issue 2, 15 September 2005, Pages 1400-1408.

4. A. Shidfar and R. Pourgholi, Numerical approximation of solution of an inverse heat conduction problem based on Legendre polynomials, Applied Mathematics and, 175 (2006) 1366-1374.

5. A. Shidfar , M. Fakhraie, R. Pourgholi and M. Ebrahimi, A numerical solution technique for a one-dimensional inverse nonlinear parabolic problem, Applied Mathematics and Computation 184 (2007) 308-315.

6. N. Azizi and R. Pourgholi, A Nonlinear Inverse Parabolic Problem, Applied Mathematical Sciences, Vol. 1, 2007, no. 24, 1181-1186.

7. H. Molhem, R. Pourgholi and D. Momeni, A Numerical Solution of the One-Dimensional Inverse Parabolic Problem Using Chebyshev T Polynomials, International Mathematical Forum, 2, 2007, no. 47, 2339 - 2346.

8. N. Azizi, R. Pourgholi and M. Ebrahimi, Application of finite difference method to estimation of diffusion coefficient in a one dimensional nonlinear inverse diffusion problem, International Mathematical Forum, 1, 2006, no. 30, 1465 - 1472.

9. M. Ebrahimian, R. Pourgholi, M. Emamjome and P. Reihani, A numerical solution of an inverse parabolic problem with unknown boundary conditions Applied Mathematics and Computation, Volume 189, Issue 1, 1 June 2007, Pages 228-234.

10. V. Soti, Y. Ahmadizadeh and R. Pourgholi, Estimation of heat flux in one-dimensional inverse heat conduction problem, IMF, 2, 2007, no. 10, 455-464.

11. Y. Ahmadizadeh, V. Soti and R. Pourgholi, Numerical Solution of an Inverse Diffusion Problem, AMS, Vol. 1, 2007, no. 18, 863 -868.

12. H. Molhem and R. Pourgholi, A Numerical Algorithm for Solving a One-Dimensional Inverse Heat Conduction Problem, Journal of Mathematics and Statistics 4 (1): 60-63, 2008.

13. R. Pourgholi, A. Tahmasbi, A. H. Borezabadi, S. A. Ketabi, A numerical approach to solving an inverse parabolic problem using finite difference method, Journal of Information and Computing Science , Vol. 3, No. 3, 2008, pp. 233-240.

14. R. Pourgholi, N. Azizi, Y.S. Gasimov, F. Aliev, H.K. Khalafi, Removal of Numerical Instability in the Solution of an Inverse Heat Conduction Problem, Communications in Nonlinear Science and Numerical Simulation, Volume 14, Issue 6, June 2009, Pages 2664-2669.

15. R. Pourgholi, M. Rostamian, A stable numerical algorithm for solving an inverse parabolic problem, Journal of Information and Computing Science, Vol. 4, No. 4, 2009, pp. 290-298.

16. R. Pourgholi, M. Rostamian, A numerical technique for solving IHCPs using Tikhonov regularization method, Appl. Math. Modell., Volume 34, Issue 8, August 2010, Pages 2102-2110.

17. R. Pourgholi and H. Tabasi, Investigation of well-posedness of solution for an IHCP, JARAM, Vol. 2, Issue. 2, 2010, pp. 15-26.

18. R. Pourgholi, M. Rostamian and M. Emamjome, A numerical method for solving a nonlinear inverse parabolic problem, Inverse Problems in Science and Engineering, 18 (8) (2010), 1151-1164.

19. R. Pourgholi, H. Molhem, A Numerical Algorithm for Solving an Inverse Nonlinear Parabolic Problem, Journal of Information and Computing Science, 5 (4) (2010) 279-286.

20. M. Abtahi, R. Pourgholi, A. Shidfar, Existence and uniqueness of solution for a two dimensional nonlinear inverse diffusion problem , Nonlinear Analysis, 74 (2011) 2462-2467, DOI: 10.1016/j.na.2010.12.001.

21. H. Molhem, R. Pourgholi, M. Borghei, Determination Of Thermal Conductivity In A Inverse Heat Conduction Problem, International Journal of Applied Mathematics, 23 (6) (2010) 1025-1035.

22. R. Pourgholi and F. Torabi, Solving an Inverse Diffusion Problem Using Tikhonov Regularization Method, Journal of American Science, 7(5) (2011) 850-855.

23. R. Pourgholi, F. Torabi, S. H. Tabasi, A numerical solution of two dimensional IHCPs by using ADI method and Tikhonov regularization method, Journal of Advanced Research in Scientific Computing, Vol. 3, Issue. 3, 2011, pp. 55-68.

24. R. Pourgholi, M. Abtahi and A. Saeedi, A Duhamel Integral Based Approach to Identify an Unknown Radiation Term in a Heat Equation with Non-linear Boundary Condition, Vol. 7, Issue 1 (June 2012), pp. 52 - 70.

25. R. Pourgholi, N. Tavallaie and S. Foadian, Applications of Haar basis method for solving some ill-posed inverse problems, J. Math. Chem., 2012, Volume 50, Number 8, Pages 2317-2337, DOI:10.1007/s10910-012-0036-4.

26. Reza Pourgholi, Amin Esfahani, Akram Saeedi, Numerical solution of a two-dimensional IHCP based on Duhamel's principle, Journal of Advanced Research in Applied Mathematics, Vol. 4, Issue. 3, 2012, pp. 50-65 DOI:10.5373/jaram.1284.020112.

27. Reza Pourgholi, Amin Esfahani, Morteza Abtahi, A numerical solution of a two-dimensional IHCP, J Appl Math Comput, JAMC, 1 (41), 61-79, February 2013, DOI: 10.1007/s12190-012-0592-6.

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31. R. Pourgholi, M. Abtahi, S. H. Tabasi, A numerical solution of an inverse parabolic problem, TWMS J. App. & Eng. Math., 2 (2), pp. 195-209, September 2012.

32. R. Pourgholi and H. Molhem, A Numerical Approach for Solving a Nonlinear Parabolic Problem, Southeast Asian Bulletin of Mathematics (2012) 36: 677-686.

33. H. Molhem , R. Pourgholi , M. Borghei , - A nonlinear inverse problem with unknown radiation term, Journal of American Science, 4(8), 474-478, 2012.

34. Reza Pourgholi, Amin Esfahani, Saedeh Foadian, Sona Parehkar, Resolution Of An Inverse Problem By Haar Basis And Legendre Wavelet Methods, IJWMIP, 11(5), 1350034 (21 pages), 2013.

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36. Reza Pourgholi, Amin Esfahani, Sunil Kumar, A numerical algorithm for solving an inverse semilinear wave problem, IJCSM, April 2013, Accepted for publication.

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38. Reza Pourgholi, Ali Abbasi Molai, Tahereh Houlari, Resolution of an inverse parabolic problem using Sinc-Galerkin method, TWMS J. App. Eng. Math., 2(3), pp.42-63, October 2013.

39. Amin Esfahani, Reza Pourgholi , The ADMB-KdV equation in a time-weighted space, NNALI DELL'UNIVERSITA' DI FERRARA, 59(2), pp. 269-283, 2013.

40. Amin Esfahani, Reza Pourgholi, Dynamics of Solitary Waves of the Rosenau-RLW Equation, Differential Equations and Dynamical Systems, 2013, DOI:10.1007/s12591-013-0174-6.

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43. Reza Pourgholi, Akram Saeedi, Applications of cubic B-splines collocation method for solving nonlinear inverse parabolic partial differential equations , Numerical Methods for Partial Differential Equations: John Wily & Sons, Accepted for Publication, Vol. 33, No. 1 (January 2017), Pages 88-104, DOI:10.1002/num.22073.

44. Reza Pourgholi, Akram Saeedi, Solving a nonlinear inverse problem of identifying an unknown source term in a reaction-diffusion equation by Adomian decomposition method, TWMS J. App. Eng. Math., Vol. 6, No. 1, (2016).

45. Reza Pourgholi, Akram Saeedi, A numerical method based on the Adomian decomposition method for identifying an unknown source in non-local initial-boundary value problems, Int. J. Mathematical Modelling and Numerical Optimisation, Vol. 6, No. 3, 2015.

46. Reza Pourgholi, Ruhangiz Azimi, Tau approximate solution of weakly-singular Volterra integral equations with Legendre wavelet basis, International Journal of Computer Mathematics: Taylor & Francis, Accepted for Publication.

47. Saedeh Foadian, Reza Pourgholi & S. Hashem Tabasi, Cubic B-spline method for the solution of an inverse parabolic system, Applicable Analysis:An International Journal, 2017, DOI:10.1080/00036811.2016.1272102.

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52. Reza Pourgholi, Amin Esfahani and Hassan Dana Mazraeh, Inverse Problem for a Parabolic System, Applications and Applied Mathematics: An International Journal (AAM), Vol. 12, No. 1, 2017, pp. 521 -539.

53. Reza Pourgholi, S. Hashem Tabasi & Hamed Zeidabadi, Numerical techniques for solving system of nonlinear inverse problem, Engineering with Computers: Springer, Doi: 10.1007/s00366-017-0554-6, 2017.

54. Hassan Dana Mazraeh, Reza Pourgholi & Sahar Tavana, The Fully-Implicit Finite Difference Method for Solving Nonlinear Inverse Parabolic Problems with Unknown Source Term, Int. J. Computing Science and Mathematics, Vol. 12, No. 1, 2017, pp. 521 -539.

55. Saedeh Foadian, Reza Pourgholi, S. Hashem Tabasi, Javad Damirchi, The inverse solution of the coupled nonlinear reaction-diffusion equations by the Haar wavelets, International Journal of Computer Mathematics, DOI:10.1080/00207160.2017.1417593.

56. Reza Pourgholi, Abbas Hosseini & Akram Saeedi, Determination of nonlinear source term in an inverse convection-reaction-diffusion problem using radial basis functions method, Iranian Journal of Science and Technology, Transactions A: Science, 10.1007/s40995-017-0379-6.

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58. Hassan Dana Mazraeh & Reza Pourgholi, An efficient hybrid algorithm based on genetic algorithm(GA) and Nelder-Mead(NM) for solving nonlinear inverse parabolic problems, Iranian Journal of Numerical Analysis and Optimization, Vol. 8, No. 2, 2018, pp. 119?140, DOI:10.22067/ijnao.v8i2.64202.

59. R. Pourgholi, A. Esfahani, T. Houlari & S. Foadian, An application of sinc-galerkin method for solving the tzou equation, Applied and Computational Mathematics an International Journal, V.16, N.3, 2017, pp.240-256.

60. H. Zeidabadi, R. Pourgholi & S. H. Tabasi, Application of Cubic B-splines Collocation Method for Solving Nonlinear Inverse Diffusion Problem, Computational Methods for Differential Equations, 7 (3), 434-453.

61. H Zeidabadi, R Pourgholi & SH Tabasi, Solving a nonlinear inverse system of Burgers equations International Journal of Nonlinear Analysis and Applications 10 (1), 35-54.

62. A Azimzadeh Irani & R Pourgholi, Segmentation Assisted Object Distinction for Direct Volume Rendering Journal of AI and Data Mining, 8 (1), 67-82.

63. H Zeidabadi, R Pourgholi & SH Tabasi, A hybrid scheme for time fractional inverse parabolic problem Waves in Random and Complex Media, 30 (2), 354-368.

64. S Foadian, R Pourgholi, SH Tabasi & H Zeidabadi, Solving an inverse problem for a generalized time-delayed Burgers-fisher equation by haar wavelet method, J. Appl. Anal. Comput 10 (2), 391-410

65. A Saeedi, S Foadian & R Pourgholi, Applications of two numerical methods for solving inverse Benjamin?Bona?Mahony?Burgers equation Engineering with Computers, 36 (4), 1453-1466.

66. J Damirchi, R Pourgholi, TR Shamami, H Zeidabadi & A Janmohammadi, Identification of a time dependent source function in a parabolic inverse problem via finite element approach, Indian Journal of Pure and Applied Mathematics, 51, 1587-1602.

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68. SH Tabasi, HD Mazraeh, AA Irani, R Pourgholi & A Esfahani, The time-dependent diffusion equation: An inverse diffusivity problem, Iranian Journal of Numerical Analysis and Optimization 11 (1), 33-54.

69. R Pourgholi, A Tahmasbi & R Azimi, Application of Tau Approach for Solving Integro-Differential Equations with a Weakly Singular Kernel, Iranian Journal of Mathematical Sciences and Informatics 16 (1), 145-168.

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71. N Azizi & R Pourgholi, Applications of Sine-Cosine wavelets method for solving Drinfel?d?Sokolov?Wilson system, Advances in Systems Science and Applications, 21 (3), 75-90.

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• Books:

[1] R. Pourgholi, E. Yousefi, R. Azizi, Numerical Analysis (Numerical Computation), ISBN: 978-964-7099-58-5, Azarbad, Tehran, Iran, 2005.

• Supervisor of M. Sc and Ph. D Projects:

• (1)

Name	:	Malihe Rostamian
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	September 2009
Science field	:	Applied mathematics
Thesis	:	Numerical solution of inverse heat conduction problems and their applications

• (2)

Name	:	Hasan Mirakhori
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	March 2010
Science field	:	Applied mathematics
Thesis	:	Some numerical methods for determinig diffusion coefficient in some inverse parabolic problems

• (3)

Name	:	Fatemeh Torabi
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	January 2011
Science field	:	Applied mathematics
Thesis	:	Investigation of some numerical solution of linear and nonlinear inverse heat conduction problems

- **(4)**

Name	:	Akram Saeedi
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	January 2011
Science field	:	Applied mathematics
Thesis	:	Numerical solution for one and two-dimensional IHCPs using Tikhonov regularization method

- **(5)**

Name	:	Maryam Jalali
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	January 2011
Science field	:	Applied mathematics
Thesis	:	Numerical solution for two-dimensional IHCPs using finite difference method

- **(6)**

Name	:	Hamide Rahimi
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2011
Science field	:	Applied mathematics
Thesis	:	The fundamental solution method for solving inverse parabolic problems with single-layer and multi-layer domain

- **(7)**

Name	:	Samira Motamedi
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2011
Science field	:	Applied mathematics
Thesis	:	The method of Lines for solution of parabolic inverse problems

- **(8)**

Name	:	Mahdiye Ghanbari
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	September 2011
Science field	:	Applied mathematics
Thesis	:	Determination of a nonlinear source term in the heat conduction equation by using Tikhonov regularization method

- **(9)**

Name	:	Hassan Dana
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	single
Nationality	:	Iranian
Date of defense	:	16 September 2012
Science field	:	Applied mathematics
Thesis	:	Solving inverse heat conduction problems by using genetic algorithm

- **(10)**

Name	:	Tahereh Houlari
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	single
Nationality	:	Iranian
Date of defense	:	17 September 2012
Science field	:	Applied mathematics
Thesis	:	Solving some inverse heat conduction problems by using Sinc method

- **(11)**

Name	:	Sona Parehkar
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	17 September 2012
Science field	:	Applied mathematics
Thesis	:	Solving some inverse heat conduction problems by using wavelet method

- **(12)**

Name	:	Marjan Moazennejad
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	18 September 2012
Science field	:	Applied mathematics
Thesis	:	Numerical solution of inverse heat conduction problems by conjugate gradient method

- **(13)**

Name	:	Zamandi
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	18 September 2012
Science field	:	Applied mathematics
Thesis	:	Removal of numerical instability in the solution of an inverse heat conduction problem

- **(14)**

Name	:	Abbas Hadipour
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
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Date of defense	:	18 September 2012
Science field	:	Applied mathematics
Thesis	:	Iteration methods on sideways parabolic equation

- **(15)**

Name	:	Mina Sophie
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	07.06.2013
Science field	:	Applied mathematics
Thesis	:	Spline method for solving some inverse parabolic problem

- **(16)**

Name	:	Jafar Saeedi
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	07.06.2013
Science field	:	Applied mathematics
Thesis	:	Resolution of inverse parabolic problems using an optimization method

- **(17)**

Name	:	Parisa Asghari
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	09.01.2013
Science field	:	Applied mathematics
Thesis	:	Solving some linear and nonlinear inverse parabolic problems

- **(18)**

Name	:	Z. Binaei
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	09.08.2013
Science field	:	Applied mathematics
Thesis	:	Solving inverse parabolic problems by PSO algorithm

- **(19)**

Name	:	Foroogh Moayed
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2014
Science field	:	Applied mathematics
Thesis	:	Exact solution of some direct and inverse nonlinear differential equations by Hirota method

- **(20)**

Name	:	Azadeh Fesanghari
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2014
Science field	:	Computer Sciences (Scientific Computing)
Thesis	:	Solving Inverse Parabolic Problems by Using the ABC Algorithm

- **(21)**

Name	:	Marzieh Khalili
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	June 2014
Science field	:	Applied mathematics
Thesis	:	Exact solutions for nonlinear partial differential equations by using sine-cosine function method

- **(22)**

Name	:	Fateme Dasre
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2014
Science field	:	Applied mathematics
Thesis	:	Power Series Method For Solving Problems Partial Differential Equations

- **(23)**

Name	:	Mohammad Hajizadeh
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	July 2014
Science field	:	Applied mathematics
Thesis	:	Local Polynomial Regression Solution for Partial Differential Equations with Initial and Boundary Values

- **(24)**

Name	:	Zahra Jafarpoor
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	February 2015
Science field	:	Applied mathematics
Thesis	:	Numerical Solution of Burgers Equation using Cubic B-spline Method with Ridge Regularization

- **(25)**

Name	:	Seyede Sakine Hashemi Farrokh Abadi
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2015
Science field	:	Applied mathematics
Thesis	:	Solution of some direct and inverce nonlinear differential equations by implicit method

- **(26)**

Name	:	Fahimeh Hamidimanesh
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2015
Science field	:	Applied mathematics
Thesis	:	Solving Partial Differential Equations By Using Hybrid Of Genetic Algorithm An Nelder Mead Search Method

- **(27)**

Name	:	Puria Sadegh
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	February 2015
Science field	:	Applied mathematics
Thesis	:	Solving hyperbolic telegraph problem by Chebyshev wavelets method

- **(28)**

Name	:	Samane Ashouri
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	Jun 2015
Science field	:	Applied mathematics
Thesis	:	Solving Inverse Parabolic Problems by ICA algorithm

- **(29)**

Name	:	Fatemeh Mehrjoo
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2015
Science field	:	Applied mathematics
Thesis	:	Solving some inverse heat conduction problems by using sine-cosine wavelets method

- **(30)**

Name	:	Fereshteh mohammadpour
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	Jun 2016
Science field	:	Applied mathematics
Thesis	:	Numerical Solution of Nonlinear Hamiltonian Wave Equation by an Explicit Method

- **(31)**

Name	:	Sahar Namarian
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2016
Science field	:	Applied mathematics
Thesis	:	Haar basis method to solve parabolic and hyperbolic equations

- **(32)**

Name	:	Ehsan Sorori
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	September 2016
Science field	:	Applied mathematics
Thesis	:	Solving an inverse problem on the Poisson equation by Fourier transform

- **(33)**

Name	:	S. joorsara
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2016
Science field	:	Applied mathematics
Thesis	:	A semi-implicit finite-difference approach for two-dimensional coupled Burgers' equation

- **(34)**

Name	:	F. Ahmadikhah
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2016
Science field	:	Applied mathematics
Thesis	:	Application of differential transformation method for solving nonlinear partial differential equations

- **(35)**

Name	:	Mojgan Shamsabadi
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	November 2016
Science field	:	Applied mathematics
Thesis	:	Numerical solution of time fractional Burgers equation by cubic B-spline finite elements

- **(36)**

Name	:	Milad Habibzade Sarokolaei
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	February 2016
Science field	:	Applied mathematics
Thesis	:	Solving inverse heat conduction problems By using simulated annealing algorithm

- **(37)**

Name	:	mohammad reza parimi
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2017
Science field	:	Applied mathematics
Thesis	:	Solving fourth order non-linear parabolic equations using finite difference methods

- **(38)**

Name	:	Mojgan Katanforoosh
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2017
Science field	:	Applied mathematics
Thesis	:	Solving the problem of diffusion of petroleum and water in underground reservoirs by using neural networks

- **(39)**

Name	:	Soodabeh Babajanian
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2017
Science field	:	Applied mathematics
Thesis	:	Solving Inverse Heat Conduction Problems By Using of Meshless Method

- **(40)**

Name	:	Akram Saeedi
Course	:	Ph. D.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	2017
Science field	:	Applied mathematics
Thesis	:	The Solution of Nonlinear Inverse Parabolic Problems by Numerical Methods

- **(41)**

Name	:	Ruhangiz Azimi
Course	:	Ph. D.
Sex	:	Female
Marital Status	:	Married
Nationality	:	Iranian
Date of defense	:	2017
Science field	:	Applied mathematics
Thesis	:	Spectral methods for solving integral equations

- **(42)**

Name	:	Hamed Zeidabadi
Course	:	Ph. D.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2017
Science field	:	Applied mathematics
Thesis	:	Numerical Solution of Linear and Nonlinear Inverse Parabolic Problems

- **(43)**

Name	:	Abbas H. Shalmaee
Course	:	Ph. D.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2017
Science field	:	Applied mathematics
Thesis	:	Numerical Solution of Nonlinear Inverse Parabolic Problems

- **(44)**

Name	:	Saedeh Foadian
Course	:	Ph. D.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2018
Science field	:	Applied mathematics
Thesis	:	The Numerical Solution of Linear and Nonlinear Inverse Partial Differential Equations

- **(45)**

Name	:	Marjane Moazennezhad
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2012
Science field	:	Applied mathematics
Thesis	:	Numerical solution of inverse heat conduction problems using conjugate gradient metho

- **(46)**

Name	:	Ahmad Aliyari Boroujeni
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2020
Science field	:	Computer Science
Thesis	:	Solving inverse PDEs problems using the Teaching-Learning based algorithm (TLBO)

- **(47)**

Name	:	Atefe Bashiriyan
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2021
Science field	:	Computer Science
Thesis	:	Solving inverse heat conduction problems using the second version of multi-objective ge

- **(48)**

Name	:	Ali Binayian
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2020
Science field	:	Computer Science
Thesis	:	Examining online social networks based on established associations

- **(49)**

Name	:	Amin Khani
Course	:	M. Sc.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2021
Science field	:	Computer Science
Thesis	:	Solving inverse parabolic problems using differential evolution algorithm

- **(50)**

Name	:	Zarife Moloudi
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2019
Science field	:	Computer science
Thesis	:	A new method for hiding information in images based on the Least Significant Bit (LSB

- **(51)**

Name	:	Donya Rostami
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2019
Science field	:	Computer science
Thesis	:	A proposed method for hiding information in images based on the Least Significant Bit

- **(52)**

Name	:	Mohadese Maleki
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2020
Science field	:	Computer science
Thesis	:	Robot guidance in indoor space based on vanishing point

- **(53)**

Name	:	Sahba Heydari
Course	:	M. Sc.
Sex	:	Female
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2020
Science field	:	Applied mathematics
Thesis	:	Solving a parabolic time delay problem by compact finite difference method

- **(54)**

Name	:	Naser Azizi
Course	:	Ph. D.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2022
Science field	:	Applied mathematics
Thesis	:	Using numerical methods in solving PDE problems with derivatives

- **(55)**

Name	:	Ahmad Aliyari Boroujeni
Course	:	Ph. D.
Sex	:	Male
Marital Status	:	Single
Nationality	:	Iranian
Date of defense	:	2023
Science field	:	Computer Science
Thesis	:	Solving industrial and mathematical problems using meta-heuristic and machine learning