

# Curriculum Vitae



## • Personal ID:

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

## • Contacts:

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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
4. Numerical Analysis: B.Sc Course
5. Partial Differential Equations: B.Sc Course

**2007-2013: Damghan University:**

Academic Status: Assistant Professor

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
5. Partial Differential Equations: B.Sc Course
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

**2013-2017: 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 , Aime36.

[5] A. Shidfar, R. Pourgholi and G.R. Karamali, Estimation of unknown radiation term for an inverse problem, 36th ANNUAL IRANIAN MATHEMATICS CONFERENCE, aime36.

[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. FOUADIAN AND 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 AND 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 Porehkar, 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.

[28] Reza Pourgholi, Amin Esfahani, An efficient numerical method for solving an inverse wave problem, *International Journal of Computational Methods*, 3 (10), 1350009 (21 pages), March 2013 - DOI: 10.1142/S0219876213500096.

[29] Reza Pourgholi, Amin Esfahani, Hamideh Rahimi, S. Hashem Tabasi, Solving an inverse initial-boundary-value problem by using basis function method, *CAM*, 32: 2740, 2013, DOI 10.1007/s40314-013-0005-y.

[30] Reza Pourgholi, Morteza Abtahi, S. Hashem tabasi, A numerical approach to solving an inverse parabolic problem with unknown control function, *Int. J. Computational Science and Engineering*, Vol. 10, No. 4, 2015.

[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: 677686.

[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, Saedah FOADIAN, SONA PAREHKAR, Resolution Of An Inverse Problem By Haar Basis And Legendre Wavelet Methods, *IJWMIP*, 11(5), 1350034 (21 pages), 2013.

[35] R. Pourgholi, S. Foadian, A. Esfahani, Haar Basis Method To Solve Some Inverse Problems For Two-Dimensional Parabolic And Hyperbolic Equations, *TWMS J. App. Eng. Math.*, 3 (1), 2013, pp. 10-32.

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

[37] Reza Pourgholi, Amin Esfahani, Hassan Danaa, Real Valued Genetic Algorithm For Solving An Inverse Hyperbolic Problem: Multi-Core Parallelization Approach, *IJMMNO*, Accepted for publication, November 2013.

[38] Reza Pourgholi, Ali Abbasi Molai, Tahereh Houleri, 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, ANNALI 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, 10.1007/s12591-013-0174-6, 2013.

[41] Reza Pourgholi , Hassan Dana, Seyed Hashem Tabasi , - Solving an inverse heat conduction problem using genetic algorithm: Sequential and multi-core parallelization approach, Applied Mathematical Modelling, Volume 38, Issues 78, 1 April 2014, Pages 1948-1958, DOI: 10.1016/j.apm.2013.10.019, 2013.

[42] Akram Saeedi and Reza Pourgholi, Application of Quintic B-splines Collocation Method for Solving Inverse Rosenau Equation with Dirichlet's boundary conditions, Engineering with Computers: Springer, DOI 10.1007/s00366-017-0512-3.

[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, Vol. 33, No. 1 (January 2017), Pages 88104, 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.

[45] Reza Pourgholi, Ruhangiz Azimi, Tau approximate solution of weakly-singular Volterra integral equations with Legendre wavelet basis, International Journal of Computer Mathematics: Taylor & Francis, DOI: 10.1080/00207160.2016.1190010.

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[47] Reza Pourgholi, Abbas Hosseini, Solving inverse problems for nonlinear partial differential equations by using tanh method, Journal of Advanced Research in Scientific Computing, Vol. 6, Issue. 3, 2014, pp. 7-14.

[48] Hassan Dana Mazraeh, Reza Pourgholi and Tahereh Houleri, Combining genetic algorithm and sinc-galerkin method for solving an inverse diffusion problem, TWMS J.

• **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 PHD 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 determining 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 m

• (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 twodimensional 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  
**Nationality** : Iranian  
**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