DR. RAMJIWARI
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Indian Institute of Technology Roorkee
Roorkee-247667 (U.K.) India
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Research Interests:
Numerical Analysis & Computing
Computational Modeling & Simulation of PDEs, Differential Quadrature Methods, Wavelets Analysis, Radial Basis Functions, Finite Element Methods, Discontinuous Galerkin Methods

ACADEMIC AND RESEARCH BACKGROUND

1. **Post Doc Fellow** (2013 to 2014) **Institute of Industrial Mathematics, Federal University do Paraná, Brazil**

2. **Ph.D** (July 2010) **Thesis Title:** Numerical Treatment of Some Partial Differential Equations using Differential Quadrature Method
Department of Mathematics, IIT Roorkee

3. **M.Sc.** (2003-2005) Kurukshetra University, Kurukshetra, India

PH.D. STUDENTS

1.	**Mr. Vikas Kumar**	**Awarded 2014, Thapar University**
2.	**Ms. Anjali Verma**	**Awarded 2015, Thapar University**
3.	**Mr. Om Prakash Yadav**	**Awarded 2019, IIT Roorkee**
4.	**Mr. Sanjay Kumar**	**Awarded 2021, IIT Roorkee**
5.	**Mr. Sudhir Kumar**	**Awarded 2021, IIT Roorkee**
6.	**Mr. Jasbir Singh**	Work under progress since July, 2018
7.	**Mr. Ankur**	Work under progress since July, 2019
8.	**Mr Ajeet Singh**	Work under progress since Dec, 2021

Master Thesis Supervised: 30

LIST OF PUBLICATIONS

Articles published/accepted in refereed journals

1. **Ram Jiwari**, Naresh Kumar and Jasbir Singh, Convergence Analysis of Weak Galerkin Finite Element Method for Semilinear Parabolic Convection Dominated Diffusion Equations on Polygonal Meshes, **Computers and Mathematics with Applications**, 145 (2023) 141-158. **(IF: 3.218).**

2. Ankur and **Ram Jiwari**, New multiple analytic solitonary solutions and simulation of (2+1)-dimensional generalized Benjamin-Bona-Mahony-Burgers model, **Nonlinear Dynamics**, **111** (2023),13297-13325. **(IF: 5.741)**
3. Ankur, **Ram Jiwari**, Naresh Kumar, Analysis and simulation of Korteweg-de Vries-Rosenau-regularised long-wave model via Galerkin finite element method, **Computers & Mathematics with Applications**, 135 (2023) 134-148. **(IF: 3.218)**
4. Vikas Kumar, **Ram Jiwari**, AR Djurayevich, MU Khudoyberganov, Hyperbolic (2+ 1)-dimensional Schrödinger equation: Similarity analysis, Optimal system and complexitons for the one-parameter group of rotations, **Communications in Nonlinear Science and Numerical Simulation,** 115 (2022) 106784. **(IF: 4.186)**
5. **Ram Jiwari,** Local radial basis function-finite difference based algorithms for singularly perturbed Burgers' model, **Mathematics and Computers in Simulation,** 198, (2022) 106-126. **(IF: 3.601)**
6. V Kumar, **Ram Jiwari,** AR Djurayevich, MU Khudoyberganov, Hyperbolic (3+ 1)-Dimensional Nonlinear Schrödinger Equation: Lie Symmetry Analysis and Modulation Instability, Journal of Mathematics, (2022) Article ID 9050272. **(IF 1.555)**
7. K Harish Kumar and **Ram Jiwari**, A hybrid approach based on Legendre wavelet for numerical simulation of Helmholtz equation with complex solution, **International Journal of Computer Mathematics**, 99 (2022) 2221-2236. **(IF: 1.931)**
8. **Ram Jiwari,** Sukhveer Singh, Paramjeet Singh, Local RBF-FD-Based Mesh-free Scheme for Singularly Perturbed Convection-Diffusion-Reaction Models with Variable Coefficients, Journal of Mathematics, (2022), Article ID 3119482, doi.org/10.1155/2022/3119482. **(IF: 1.555)**
9. Sanjay Kumar, **Ram Jiwari**, RC Mittal, Radial basis functions based meshfree schemes for the simulation of non-linear extended Fisher-Kolmogorov model, **Wave Motion**, (2022)102863. **(IF: 2.174)**
10. AM Alqahtani and **Ram Jiwari**, Wavelet operational matrices and Lagrange interpolation differential quadrature-based numerical algorithms for simulation of nanofluid in porous channel, **Journal of Mathematics**, (2022) Article ID 5015018. **(IF: 1.555)**
11. K. H. Kumar and **Ram Jiwari**, A note on numerical solution of classical Darboux problem, **Mathematical Methods in the Applied Sciences** (2021), Doi.org/10.1002/mma.7602. **(IF: 3.007)**
12. Sanjay Kumar, **Ram Jiwari,** R. C. Mittal and Jan Awrejcewicz, Dark and bright soliton solutions and computational modeling of non-linear regularized long wave model, **Nonlinear Dynamics,** (2021) Doi:10.1007/s11071-021-06291-9.**(IF: 5.741)**
13. R. C. Mittal, Sudhir Kumar and **Ram Jiwari,** A cubic B-spline quasi-interpolation algorithm to capture the pattern formation of coupled reaction diffusion models, **Engineering with Computers,** (2021) doi.org/10.1007/s00366-020-01278-3. **(IF: 8.083)**
14. **Ram Jiwari** and Alf Gerisch, A local radial basis function differential quadrature semidiscretisation technique for the simulation of time-dependent reaction-diffusion problems**, Engineering Computations,** (2021) DOI 10.1108/EC-05-2020-0291. **(IF: 1.675)**

15. **Ram Jiwari**, Barycentric rational interpolation and local radial basis functions based numerical algorithms for multidimensional sine-Gordon equation, **Numerical Methods for Partial Differential Equations**, (2021) (37) 1965–1992. **(IF: 3.568)**
16. **Ram Jiwari,** Vikas Kumar and Sukhveer Singh, Lie group analysis, exact solutions and conservation laws to compressible isentropic Navier-Stokes equation, **Engineering with Computers,** (2020) doi.org/10.1007/s00366-020-01175-9. **(IF: 8.083)**
17. K. H. Kumar and **Ram Jiwari**, Legendre wavelets based numerical algorithm for simulation of multidimensional Benjamin-Bona-Mahony-Burgers and Sobolev equations, **Computers and Mathematics with Applications,** 80 (3) (2020) 417-433. **(IF: 3.476)**
18. R C Mittal, S Kumar, **Ram Jiwari**, A cubic B-spline quasi-interpolation method for solving two-dimensional unsteady advection diffusion equations, **International Journal of Numerical Methods for Heat & Fluid Flow,** (2020) DOI 10.1108/HFF-07-2019-0597. **(IF: 5.181)**
19. **Ram Jiwari,** Sanjay Kumar and Jan Awrejcewicz, A meshfree algorithm for simulation of multidimensional Schrödinger equations, **Computational and Applied Mathematics**, (2020) doi.org/10.1007/s40314-020-1113-0. **(IF: 2.998)**
20. Sapna Pandit, **Ram Jiwari** and M. E. Koksal, A class of numerical algorithms based on cubic trigonometric B-spline functions for numerical simulation of nonlinear parabolic problems, **Computational and Applied Mathematics,** (2019) doi.org/10.1007/s40314-019-0918-1. **(IF: 2.998)**
21. Om Prakash Yadav and **Ram Jiwari,** A finite element approach for analysis and computational modelling of coupled reaction diffusion models, **Numerical Methods for Partial Differential Equations**, 35 (2) (2019) 830-850. **(IF: 3.568)**
22. Om Prakash Yadav and **Ram Jiwari,** Some soliton-type analytical solutions and numerical simulation of nonlinear Schrödinger equation, **Nonlinear Dynamics**, 95 (2019) 2825-2836. **(IF: 5.741)**
23. Sanjay Kumar, **Ram Jiwari** and R. C. Mittal, Meshfree algorithms based on radial basis functions for numerical simulation and to capture shocks behavior of Burgers' types problems, **Engineering Computations,** 36(4) (2019) 1142-1168. **(IF: 1.675)**
24. Sanjay Kumar, **Ram Jiwari** and R. C. Mittal, Numerical simulation for computational modelling of reaction-diffusion Brusselator model arising in chemical processes, **Journal of Mathematical Chemistry,** 57 (2019) 149-179. **(IF: 2.413)**
25. Om Prakash Yadav and **Ram Jiwari,** A finite element approach to capture Turing patterns of autocatalytic Brusselator model, **Journal of Mathematical Chemistry**, 57 (3) (2019) 769-789. **(IF: 2.413)**
26. **Ram Jiwari,** Stefania Tomasiello and Francesco Tornabene, A numerical algorithm for computational modelling of coupled advection-diffusion-reaction systems, **Engineering Computations**, 35 (3) (2018) 1383-1401. **(IF: 1.675)**
27. **Ram Jiwari,** H. S. Shukla, M Tamsir and V. K. Srivastava, A numerical algorithm for computation modeling of 3D nonlinear wave equations based on exponential modified cubic B-spline differential quadrature method, **International Journal of Computer Mathematics**, 95 (4) (2018) 752-766. **(IF: 1.931)**
28. **Ram Jiwari,** Sukhveer Singh and Ajay Kumar, Numerical simulation to capture the pattern formation of coupled reaction-diffusion models, **Chaos, Solitons & Fractals,** 103 (2017) 422-439. **(IF: 9.922)**

29. **Ram Jiwari,** Vikas Kumar, Ram Karan and A. S. Alshomrani, Haar wavelet quasilinearization approach for MHD Falkner–Skan flow over permeable wall via Lie group method, **International Journal of Numerical Methods for Heat & Fluid Flow**, 27 (6) (2017) 1332-1350. **(IF: 5.181)**
30. Sapna Pandit, **Ram Jiwari,** K Bedi and M. E. Koksal, Haar wavelets operational matrix based algorithm for computational modelling of hyperbolic type wave equations**, Engineering Computations,** 34 (8) (2017) 793-814**. (IF: 1.675)**
31. A. Alshomrani, Sapna Pandit, A. K. Alzahrani, M. S. Alghamdi, **Ram Jiwari,** A numerical algorithm based on modified cubic trigonometric B-spline functions for computational modelling of hyperbolic type wave equations, **Engineering Computations,** 34 (4) (2017) 1257-1276. **(IF: 1.675)**
32. Om Prakash Yadav and **Ram Jiwari**, Finite element analysis and approximation of Burgers'-Fisher equation, **Numerical Methods for Partial Differential Equations**, 33 (5) (2017) 1652-1677. **(IF: 3.568)**
33. Maria A. De Rosaa, Maria Lippiello, **Ram Jiwari**, Stefania Tomasiello, A differential quadrature based procedure for parameter identification, **Applied Mathematics and Computation,** 290 (2016) 460-466. **(IF: 4.397)**
34. M. Tamsir, V. K. Srivastava, **Ram Jiwari,** An algorithm based on exponential modified cubic B-spline differential quadrature method for nonlinear Burgers' equation, **Applied Mathematics and Computation,** 290 (2016) 111-124. **(IF: 4.397)**
35. S. Garhwal and **Ram Jiwari**, Conversion of fuzzy automata into fuzzy regular expressions using transitive closure, **Journal of Intelligent & Fuzzy Systems**, 30 (6) (2016) 3123-3129. **(IF: 1.851)**
36. **Ram Jiwari** and A. S. Alshomrani, A new algorithm based on modified trigonometric cubic B-splines functions for nonlinear Burgers'-type equations, **International Journal of Numerical Methods for Heat & Fluid Flow,** 27 (8) (2017) 1638-1661. **(IF: 5.181)**
37. S. Garhwal and **Ram Jiwari**, Parallel fuzzy regular expression and its conversion to epsilon-free fuzzy automaton, **The Computer Journal**, 59(9) (2016) 1383-1391. **(IF: 1.494)**
38. A. Verma and **Ram Jiwari,** Cosine expansion based differential quadrature algorithm for numerical simulation of two dimensional hyperbolic equations with variable coefficients, **International Journal of Numerical Methods for Heat & Fluid Flow**, 25 (7) (2015) 1574-1589. **(IF: 5.181)**
39. **Ram Jiwari,** Lagrange interpolation and modified cubic B-spline differential quadrature methods for solving hyperbolic partial differential equations with Dirichlet and Neumann boundary conditions, **Computer Physics Communications**, 193 (2015) 55-65. **(IF: 4.717)**
40. **Ram Jiwari**, A hybrid numerical scheme for the numerical solution of the Burgers' equation, **Computer Physics Communications,** 188 (2015) 59-67. **(IF: 4.717)**
41. Vikas Kumar, **Ram Jiwari** and R K Gupta, Exact and numerical solutions of coupled short pulse equation with time-dependent coefficients, **Nonlinear Dynamics, 79 (1)(2015) 455-464. (IF: 5.741)**
42. Anjali Verma, **Ram Jiwari** and M. E. Koksal, Analytic and numerical solutions of nonlinear diffusion equations via symmetry reductions, **Advances in Difference Equations**, **DOI:10.1186/1687-1847-2014-229 (2014). (IF: 2.803)**

43. **Ram Jiwari,** R.K. Gupta and Vikas Kumar, Polynomial differential quadrature method for numerical solutions of the generalized Fitzhugh-Nagumo equation with time-dependent coefficients, **Ain Shams Engineering Journal, 5 (2014) 1343-1350. (IF: 4.79)**
44. Anjali Verma, **Ram Jiwari** and Satish Kumar, A numerical scheme based on differential quadrature method for numerical simulation of nonlinear Klein-Gordon equation, **International Journal of Numerical Methods for Heat and Fluid Flow, 24 (7) (2014) 1390-1404**. **(IF: 5.181)**
45. **Ram Jiwari** and Jinyun Yuan, A computational modeling of two dimensional reaction-diffusion Brusselator system arising in chemical processes, **Journal of Mathematical Chemistry, 52 (2014) 1535-1551. (IF: 2.413)**
46. Vikas Kumar, **Ram Jiwari** and R K Gupta, Lie Group analysis, numerical and non-traveling wave solutions for the (2+1)-dimensional Diffusion-Advection equation with variable coefficient, **Chinese Physics B, 23 (3) (2014) 030201. (IF: 1.494)**
47. **Ram Jiwari**, R.C. Mittal and K K Sharma**,** A numerical scheme based on weighted average differential quadrature method for the numerical solution of Burgers' equation, **Applied Mathematics and Computation, 219 (2014) 6680–6691. (IF: 4.397)**
48. Vikas Kumar, **Ram Jiwari** and R K Gupta**,** Numerical Simulation of Two Dimensional Quasilinear Hyperbolic Equations by Polynomial Differential Quadrature Method**, Engineering Computations, 30 (7) 2013, 892-909. (IF: 1.675)**
49. Vikas Kumar**, Ram Jiwari** and R K Gupta, Painlevé Analysis, Lie Symmetries and Exact Solutions for Variable Coefficients Benjamin-Bona-Mahony-Burger (BBMB) Equation, **Communications in Theoretical Physics, 60 (2013) 175–182. (IF: 1.968)**
50. Vikas Kumar**, Ram Jiwari** and R K Gupta**,** Comparative Study of Travelling Wave and Numerical Solutions for the Coupled Short Pulse (CSP) Equation, **Chinese Physics B, 22 (5) (2013) 050201. (IF: 1.494)**
51. R C Mittal, **Ram Jiwari** and K K Sharma**,** A numerical scheme based on differential quadrature method to solve time dependent Burgers' equation, **Engineering Computations, 30 (1) (2013) 117-131. (IF: 1.675)**
52. **Ram Jiwari,** Haar wavelet quasilinearization approach for numerical simulation of Burgers' equation, **Computer Physics Communications, 183 (2012) 2413-2423**. **(IF: 4.717)**
53. R.C. Mittal and **Ram Jiwari**, A differential quadrature method for solving Burgers'-type equation, **International Journal of Numerical Methods for Heat and Fluid Flow, 22 (7), (2012), 880-895. (IF: 5.181)**
54. **Ram Jiwari,** S. Pandit and R C Mittal**,** Numerical simulation of two-dimensional sine-Gordon solitons by differential quadrature method, **Computer Physics Communications, 183 (2012) 600-616. (IF: 4.717)**
55. **Ram Jiwari,** S. Pandit and R C Mittal**,** A Differential quadrature algorithm to solve the two dimensional linear hyperbolic telegraph equation with Diriclet and Neumann boundary conditions, **Applied Mathematics and Computation, 218 (2012) 7279–7294. (IF: 4.397)**
56. R.C. Mittal and **Ram Jiwari**, Differential quadrature method for Numerical Solution of coupled viscous Burgers' equations, **Int. J. for Comput. Methods in Eng. Science and Mech**, **13 (2012), 1-5.**

57. D. Sharma, **Ram Jiwari, and** Sheo Kumar**,** A comparative study of Modal matrix and finite elements methods for two point boundary value problems**, Int. J. of Appl. Math. and Mech. 8 (13) (2012), 29-45. (IF. 2.866)**

58. Ram Jiwari, Sapna Pandit and R C Mittal**,** A differential quadrature algorithm for the numerical solution of the second-order one dimensional hyperbolic telegraph equation, **Int J of Nonlinear Sciences, 13 (3) (2012), 259-266.**

59. Ram Jiwari, Dinkar Shrma and Sheo Kumar**,** Numerical solutions of two point boundary value problems using Galerkin-Finite element method, **Int J of Nonlinear Sciences, 13 (2)(2012), 204-210.**

60. R.C. Mittal and **Ram Jiwari,** A Numerical Scheme for singularly perturbed Burger-Huxley Equation, **J. Appl. Math. & Informatics, 29 (2011), No. 3-4, 813-829.**

61. R.C. Mittal and **Ram Jiwari,** A Numerical scheme for some nonlinear differential equations models in Biology, **Int. J. for Comput. Methods in Eng. Science and Mech., 12 (3), (2011), 134-140.**

62. R.C. Mittal and **Ram Jiwari**, Numerical study of two-Dimensional reaction-diffusion Brusselator system, **Applied Mathematics and Computation, 217 (12) (2011), 5404-5415. (IF: 4.397)**

63. Ram Jiwari, Dinkar Shrma and Sheo Kumar**,** Galerkin-finite element method for the numerical solution of advection-diffusion equation**, IJPAM, 70 (3) (2011), 389-399.**

64. R.C. Mittal and **Ram Jiwari**, Numerical study of Burger-Huxley equation by differential quadrature method, **Int. J. of Appl. Math. and Mech., 5(8) (2009), 1-9. (IF. 2.866)**

65. R.C. Mittal and **Ram Jiwari**, Differential quadrature method for two dimensional Burgers' equations, **Int. J. for Comput. Methods in Eng. Science and Mech**, **10 (2009), 450-459**.

66. R.C. Mittal and **Ram Jiwari**, A Spectral method for suspension bridge model, **Int. J. of Appl. Math. and Mech., 5(5) (2009), 66-75. (IF. 2.866)**

67. R.C. Mittal and **Ram Jiwari,** Numerical study of Fisher's equation by using differential quadrature method, **Int. J. Information and systems Sciences**, **5(1)(2008), 143-160.**

68. Ram Jiwari, A Spectral method for the solution of a fourth order integro-differential equation, **IX International Scientific Conference "Science and Education" (28-29 March, 2012) Kemerovo State University, Belovo Institute, Russia, pp. 119-124.**

RESEARCH PROJECTS

1. **Ram, Jiwari (Principal Investigator),** Fast and Robust Numerical Algorithms for 2D Unsteady-state Convection Dominated Singularly Perturbed Parabolic Models: Theoretical Analysis and Computational Modeling, **SERB 2022, Cost 6.6 Lacs**
2. **Ram, Jiwari (Principal Investigator)**, Theoretical Analysis and Simulation to Capture Complex Patterns of Nonlinear Reaction-Diffusion Models, **NBHM 2021, Cost 16 Lacs**
3. **Ram, Jiwari (Principal Investigator)**, Lie Symmetry Analysis, Simulation and Lyapunov Stability Analysis of the Hyperbolic Systems, **Indo-Uzbek International Project (DST) 2021, Cost 32 Lac Appx.**
4. **Ram, Jiwari (Principal Investigator)**, Theoretical Analysis and Numerical Simulation of Unsteady-State Singularly Perturbed Parabolic Model, **CSIR 2019, Cost 20 Lacs (Appx.).**

5. **Ram, Jiwari (Principal Investigator)**, Numerical Analysis and Computational Modeling of Nonlinear Parabolic Mathematical Models with Singular and Variable Coefficients, **Young Scientist (SERB 2016), Cost 18.06 Lacs (Appx.)**
6. **Ram Jiwari (Principal Investigator),** Numerical Analysis and Computational Modeling of Hyperbolic Partial Differential Equations, **FIG (IIT Roorkee 2014), Cost 6.5 Lacs**.

AWARDS

1. **Haryana Yuva Vigyan Ratna Awards 2020, DST, Haryana Govt.**
2. **DAAD Bilateraler Wissenschaftleraustausch at** Technische Universität Darmstadt**, Germany, 2017**
3. **Post Doc Fellow,** Institute of Industrial Mathematics**, Federal University do Paraná, Brazil, 2013.**
4. **Fundação para a Ciência e a Tecnologia (FCT), Fellowship of Portugal**, 2011
5. Graduate Aptitude Test in Engineering **(GATE-AIR-38),** 2011, India
6. **Senior Research Fellowship, CSIR, 2008**
7. National Eligibility Test **(NET)** & Junior Research Fellowship **(JRF),** CSIR, India, 2005.

TEACHING /RESEARCH EXPERIENCE

1. **Associate Professor, Indian Institute of Technology Roorkee, India** (10 Aug 2020 Ongoing)
2. **Assistant Professor, Indian Institute of Technology Roorkee, India** (03-06-2014 to 09-08-2020)
3. **Assistant Professor, Thapar University Patiala, India** (April, 2014 to 02 June, 2014)
4. **Post Doc Fellow, Federal University do Paraná, Brazil** (9th Sept. 2013 to March, 2014)
5. **Thapar University Patiala** (19 May, 2011 to 8 Sept, 2013)
6. **Dr B R Ambedkar National Institute of Technology Jalandhar, India** (July, 2010 to 18 May, 2011)

WORKSHOP ORGANIZED

1. **Applications of Computational Techniques in Engineering using MATLAB**, 02-07 June, 2019 at QIP IIT Roorkee, Funded by AICTE.
2. **Advanced Computational Techniques for Differential Equations with MATLAB**, (ACTDEM 2018), 18- 22 Sep, 2018 at Department of Mathematics, IIT Roorkee, Funded by NBHM, CSIR.
3. **Computational Techniques for Differential Equations with MATLAB** (CTDE 2015), 02-06 July, 2015 at Department of Mathematics, IIT Roorkee, Funded by DST, UCOST.

INVITED TALKS

1. Mathematical modeling in physical sciences & engineering, School of Advanced Sciences**, VIT Vellore, Jan, 2023**
2. Mathematical modeling of differentially rotating stars in stellar system**, Graphic Era Deemed to be university, Oct, 2022**
3. Recent development in Numerical Methods for Partial differential equations, **NIT Hamirpur, May, 2022**
4. Differential Equations and Mathematical Modelling**, Jaypee Institute of Information Technology, Noida, Feb, 2022**
5. Recent Development in Mathematical Modelling in Engineering Sciences**, NIT Uttarakhand, Dec, 2021**
6. SIAM Conference on Analysis of Partial Differential Equations**, University of California (Dec, 2019)**
7. **Technische Universität (TU) Darmstadt, Germany (June, 2017), Invited Talk**
8. **Universidade Federal do Paraná, Brazil (2014), Invited Talk on Finite Element Methods**
9. New Frontiers in Numerical Analysis and Scientific Computing (17-18 April, 2013) Conference held at **Kent State University, USA (Paper Presented).**
10. NUMDIFF-13 (Sept 2012) Conference & Symposium held at **Martin-Luther University, Halle, GERMANY.**
11. Workshop on **FEM** held at **TIFR CAM Bangalore** from 2 July to 13 July, 2012
12. Workshop **WMMFA on wavelets** held at **IIT Bombay** March 2012
13. Workshop on **Differential Equations and Mathematical Modelling**, held at **Delhi University**, 9 to 11 Feb, 2012.
14. **Symposium** held at **TIFR CAM Bangalore** Jan 2011.
15. One month School organized by **NBHM at Panjab University Chandigarh** Dec 2008.
16. **Symposium** held at **IISC Bangalore** 2008.
17. **NUMDIFF-12 (2009)** Conference & Symposium held at **Martin-Luther University, Halle, GERMANY.**
18. **IAWS-CFD Workshop and Conference** held at **IIT Roorkee**, Roorkee, 2006

REVIEWER OF REFERED JOURNALS

1. **Computer Physics Communications (Elsevier)**
2. **Mathematical Methods in the Applied Sciences (Wiley Publication)**
3. **Applied Mathematical Modelling (Elsevier)**
4. **Applied Mathematical and Computation (Elsevier)**
5. **Computers and Mathematics with Applications (Elsevier)**
6. **Neural Computing and Applications (Springer)**
7. **Nonlinear Dynamics (Springer)**
8. **Engineering Computations (Emerald)**
9. **International Journal of Numerical Methods for Heat and Fluid Flow (Emerald)**

10. International Journal of Nonlinear Science
11. Many More

REFERENCES

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