Curriculum Vitae

Contact Information

Name: Karwan Hama Faraj Jwamer

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Personal Information

Date of birth: 18-1-1973

Place of birth: Sulaimani

Nationality: Iraqi

Gender: Male

Martial status: Married

Education

2005 - 2010   PhD of Differential Equations, Dagestan state university

−South of Russian, Faculty of Mathematics, Dept. of

Mathematical Analysis, Thesis entitle   (Analysis of

Spectral characteristics of one nonself – adjoint problem

With non smooth coefficients)

1999-2001   Master of Science in Mathematics, University of Salahaddin\

College Of Science – Mathematics Dept. thesis entitle (Study

some type of   the lacunary interpolation by splines and their

error bounds)

1992-1996   Bachelor's of Science in Mathematics.

University of Salahaddin \ College of Science

Mathematics Dept.

Employment history

1998   Assistant Researchers University of Sulaimani \

College of Science \ Mathematics Dept.

Experience

2008   I became a assistance professor

2004-2005   Instructor University of Sulaimani \ College of Science

-Mathematics Dept

Teaching**:**

B.Sc.   Numerical Analysis 3rd Year students-Mathematics

and Physics Dept., Complex Analysis 4th and 3rd year students-

Mathematics and Physics Dept.

M.Sc   Advanced Differential Equations, Advanced Complex

Analysis

• Supervising graduation research projects to undergraduates.

• Supervising summer practical field training courses.

• Supervising Quality Assurance for second classes Math. Department

Member of Scientific Commit to the Mathematical Department,

Faculty of Science and Science Education

2004-2005   I became a Head of Mathematics department

2001-2003   Assistant Instructors University of Sulaimani \ College of Science \ Mathematics Dept.

2002-2003   I was worked as Focal-point - University of Sulaimani, College of Science

1999-2001   Postgraduate students in the University of Salahaddin \ College of Science \ Mathematics Dept.

1998-1999   Assistant Researchers University of Sulaimani \ College of Science \ Mathematics Dept.

Supervising Master and PhD Students

a) Master Students

1. Radha Ghafoor Karim , Development of Some Lacunary Interpolation by Splines Function and Their Application , 2010.

2. Khelan Hussan , On Second Order Differential Operators with Different Cases of Boundary Conditions and Weight Functions ,2011

b) PhD Students

1. Aryan Ali, Spline Solution for Ordinary Differential Equations , Under work

Reviewer from the following journals:

1. Journal of Dohuk University , Kurdistan Region, Dohuk , Iraq.

2. Journal Of Zancoy Sulaimani, Kurdistan Region, Sulaimani, Iraq.

3. Journal of Pure and Applied Science Salahaddin University, Kurdistan Region, Hawler , Iraq.

4. Kurdistan Academician Journal Part (A) For Pure And Applied

Sciences, Kurdistan Region, Sulaimani, Iraq.

5. Journal Of Kirkuk University-Scientific Studies, Kurdistan Region, Kirkuk, Iraq.

6. World Applied Science

7. International journal of open problem in computer science and mathematics, Jordan.

8. Asian Journal of Mathematics and Statistics (Associate Editor)

9. Applied Science Journal (Technical Editor)

Book Publication

1. Analysis of Spectral characteristics of one nonself – adjoint problem With non smooth coefficients, Lambert Academic Publishing ,ISBN 978-3-8465-3360-4, Germany, 2011,

2. Development of Some Lacunary Interpolation by Splines Function and Their Application, Lambert Academic Publishing ,ISBN 978-3-8473-2598-7, Germany, 2011.

3. On Second Order Differential Operators with Different Cases of Boundary Conditions and Weight Functions , Lambert Academic Publishing , ISBN 978-3-8473-3383-8, Germany, 2011.

Publication Papers

1. In English Lagrange:

1. Lacunary Interpolation By Spline Function (0,1,4) Case.
   Journal of Dohuk University, Vol.4, No.2,p 193-196, 2001.

2. Lacunary Interpolation By Spline Function (0,3) case.
   Journal Of Zancoy Sulaimani, Vol.6, No.1,p 43-49, 2003.

3. In-homogenous Lacunary Interpolation By Spline (0,3;0,2,4) Case.
   Journal of Dohuk University, Vol.6, No.1, p 94-104,2003.

4. Lacunary Interpolation By Spline Function (0,2,5) Case.

   Zanco, Journal of Pure and Applied Science Salahaddin University,

   Vol.16, No.1, p 61-66,2004.

5. Minimizing Error Bounds In Lacunary Interpolation By Spline Function

   (0, 1, 4) Case. Journal Of Al-Nahrain University,Vol.8(2),December,

   p. 114-119.2005.

6. Solution of Cauchy's Problem By Using Spline Interpolations

    Journal of Al-Nahrain university, Vol.8 (2),   p. 97-99, December 2005.

7. The Cooling of Computer Radiator System By Numerical Simulation

   Kurdistan Academician Journal Part (A) For Pure And Applied Sciences

   Vol.4A(no.1),p 159-164, march 2006.

8. Minimizing Error Bounds In (0,2,3)   Lacunary Interpolation By

    Sixtic   Spline , Journal Mathematics and Statistics , New York , Vol.3,

    No.4,p. 249-256, 2007.

9. On Sixtic Lacunary Spline Solutions Of Second Order Initial Value

    Problem , Journal   of mathematics and statistics , New York , Vol(5),

    No.4,p.369-374,2009.

10. Minimizing Error Bounds In Lacunary Interpolation By Spline Function

    For (0,2)Case, Journal Of Kirkuk University-Scientific Studies,Vol.4,

    No.2,117-124,2009.

11. Asymptotic behaviors of orthonormal eigenfunctions of a Regge-type

    Problem with integrable positive weight function, Russian Math. Surveys

    64:6,1131-1132,2009 (Uspekhi   Mat.   Nauk,   Vol.64,   Issue.6(390)

    ,Moscow,p.169-170,2009)

12. On Sixtic Lacunary Spline Solutions of fourth Order Initial Value

    Problem , Asian Journal of Mathematics and Statistics, Pakistan,

    Vol.3, No.3, p.119-129,2010.

13. Generalization Of (0,4)Lacunary Interpolation By Quantic Spline, Journal Of Mathematics And Statistics, New York,Vol.6. No.1, p.72-78,2010.

14. The Existence, Uniqueness and Upper Bounds For Errors Of Six Degree Spline Interpolating The Lacunary Data (0,2,5).Al-Rafiden Journal Of Computer Science And Mathematics, Vol.7,No.2, p.49-57,2010

15. About Uniform Limitation of Normalized Eigenfunctions of T.Regge Problem in the Case of Weight Functions, Satisfying to Lipschitz Condition, Journal of General Mathematics Notes, Jordan,Vol.1,No.2, p.115-129, December 2010.

16. Approximation Solution Of Second Order Initial Value Problem By Spline Function Of Degree Seven International Journal of Contemporary Mathematical Sciences, Vol. 5, No. 46, p.2293 - 2309, 2010, Bulgaria.

17. Irregular Boundary Area Computation By Quantic Hermite Polynomial, International Journal of Contemporary Mathematical Sciences , Vol.6,No.3,p.123-132,2011,Bulgaria.

18. New Construction And New Error Bounds Of (0,2,4) Lacunary Interpolation by Six Degree Spline Al-Rafiden Journal Of Computer Science And Mathematics, Vol.8,No.1,p .40-46,2011

19. Cauchy problem and modified spline model For solving initial value problem, International Journal Open Problems Computers and Mathematic ,Vol.4 ,No.1 ,March 2011,Jordan.

20. Estimates of normalized eigenfunction to the boundary value problem in different cases of weight functions , International Journal Open Problems Computers and Mathematic ,Vol.4 ,No.3 , September 2011,p.62-71, Jordan.

21. Estimation of Normalized Eigenfunctions of Second Order Boundary Value Problem with Smooth Coefficients, Special issue: Journal of Acta Universitatis Apulensis, Romania, 2011,pp.113-132.

22. Approximate new error bounded by spline degree six, Special issue: Journal of Acta Universitatis Apulensis, Romania, 2011,pp.201-210

23. Estimation of the Green function to the spectral problem in the regular case , Journal of Applied Mathematical Sciences, Vol. 5, 2011, no. 80, 3959 - 3970, Bulgaria.

24. On Optimality of Lacunary Interpolation for Recovery of C^6 Seventh Degree Spline,   International Journal Open Problems Computers and Mathematic ,Vol.5 ,No.1 , March 2012,p.103-113, Jordan.

25. Second order initial value problem and It's eight degree spline solution , Accepted for publication in World Applied Science Journal.

26. Solution of Two Point Boundary Value Problem by Nine Degree Spline and Superposition methods, Journal of Computational and Mathematical Science , Vol. 2, No.3, 2012, p.637-655, UK.

27. New Technique For Solving System of First Order Linear Differential Equations, Journal of Applied Mathematical Sciences, Vol.6, 2012, No.64,p.3177-3183, Bulgaria.

28. Estimates for the eigenfunctions of the Regge Problem, Matemaicheskie Zametki, Vol.92, Issue 1, 2012, p.141-144, Moscow .(Translated: Mathematical Notes, Springer, Vol.92, No.7, p. 127-130,20121   )

29. Spectral Properties of Second Order Differential Equations with Spectral Parameter in the Boundary Conditions, Mathematical Sciences Letters An International Journal, USA, 2012.(accepted for publication)

30. Estimation of eigen functions to the new type of spectral problem

, Journal of Mathematical and Computational Science, accepted at 2012

31. Estimation of Pit Excavation Volume By Fifth Degree Polynomial,
International Journal of Modern Engineering Research , Accepted at
2012.

2. In Russian Language:

1. Изучение асимптотика собственных значений и оценка ядра
Резольвенты одной нергулярной краевой задачи,порожденной
дифференциальным уравнением 4-го порядка на отрезке$[0,a]$//
Вестник ДГУ, Естеств. науки. г. Махачкала, 2007.Вып.4.-С.39-43.

2**.** Асимптотика собственных значений одной нерегулярной краевой
задачи на отрезке $[0,a]$ **//** Матем. сборник. г. Махачкала, 2007 (Том
III).-С.49-54.

3. Асимптотическое поведение собственных функций спектральной
задачи Т. Редже в случае весовых функций близких к функциям из
классов Гёльдера // Матем. сборник. г. Махачкала, 2008 (Том IV)
,-С.7-10.

4. Получение верхних оценок собственных функций спектральной
задачи Т. Редже с суммируемой весовой функцией на конечном
промежутке // Матем. сборник. г. Махачкала, 2008 (Том IV)
,-С.45-50.

5. О достижимости верхних оценок нормированными собственными
Функциями задачи Т. Редже в случае суммируемой весовой
функцией// Сб.: Функц.-диф.ур-я и их приложения. г. Махачкала,
2009. Вып.№ 5. -С.26-33.

6. Асимптотическое поведение собственных функций задачи Т. Редже в
случае непрерывной весовой функции // Сб.: Функц.-диф.ур-я и их

приложения. г. Махачкала, 2009. Вып.№ 5. -С.84-87.

7. К вопросу о непрерывной зависимоти собственных чисел и собственных функций задачи типа Т.Редже от суммируемой весовой функции // Вестник ДГУ, Естеств. науки. г. Махачкала, 2009.Вып. 1.-С.36-43.

8. К вопросу о достижимости верхних оценок собственными функциями задачи типа Т.Редже // Вестник ДГУ, Естеств. науки. г. Махачкала, 2009 .Вып.6.-С.11-20.

9. Изучение поведения собственных значений и оценка собственных функций задачи типа Т. Редже в случае суммируемой весовой функции на конечном отрезке $[0,a]$ // Изв. вузов. Сев.-Кавк. регион.Естест. науки. г. Ростов-на-Дону, 2009 . № 6(154).-С.5-7.

10. О возможной скорости роста нормированных собственных функций задачи Т. Редже в случае суммируемой и непрерывной весовых функций // Изв. вузов. Сев.-Кавк. регион. Естест. науки. г. Ростов-на-Дону,2010. № 2(156).-С.8-12.

11.О равномерной ограниченности нормированных   Собственных Функций задачи типа Т. Редже в случае весовых   функций, удовлетворяющих условию Липшица // Изв. вузов. Сев.-Кавк. регион. Естест. науки. г. Ростов-на-Дону,2011. № 2(162).-С.5-9.

Conferences

- 2006   International conference in Dagestan state University-South of Russian.
- 2007   International conference in Dagestan state University-South of Russian.
- 2009   Наука в XXI веке Состояние, Тенденции , Перспективы,

(Все Российской Научно-Практической Конференции),24-25 апреля 2009г,Махачкала.

- 2010 2nd International Conference on Mathematical Sciences,30 Nov-3 Dec 2010 Kuala Lumpur, Malaysia

- 2011 7th International Conference on Theory and Applications of Mathematics and Informatics, July 21-24, 2011, In Alba Iulia University, Romania

Language Skills

Mother Tongue: Kurdish

Other Languages:

	Speaking	Understanding	Reading	Writing
English	Good	Good	V.Good	V.Good
Arabic	Good	Good	V.Good	V.Good
Russian	Good	Good	Good	Good