

CURRICULUM VITAE

1. **Full Name** : VU KIM TUAN

2. **Address**

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3. **University Education**

- 1987 D.Sc. (Mathematics and Physics), Belarusian State University, Minsk, Belarus
- 1985 Ph.D. (Mathematics and Physics), Belarusian State University, Minsk, Belarus
- 1984 M.Sc. with Honor (Mathematics), Belarusian State University, Minsk, Belarus

4. **Employment Record**

- 2003 – to date : Tenured Professor, Marion Crider Distinguished Chair of Mathematics, Department of Mathematics, University of West Georgia, Carrollton, GA, USA
- 1999 – 2003 : Professor, Department of Mathematics and Computer Science, Faculty of Science, Kuwait University, Kuwait
- 1994 – 1999 : Associate Professor, Department of Mathematics and Computer Science, Faculty of Science, Kuwait University, Kuwait
- 1993 – 1994 : Alexander von Humboldt Postdoctoral Fellow, Free University of Berlin, Germany
- 1989 – 1992 : Senior Researcher, Hanoi Institute of Mathematics, Vietnam
- 1985 – 1988 : Postdoctoral Fellow, Belarusian State University, USSR

5. Presentations:

Plenary and Invited Lectures

- April, 1987 : Plenary Speaker, All-Union Conference on Classical and Nonclassical Boundary Value Problems of Partial Differential Equations, Special Functions, Integral Equations and Their Applications, Cuibusev, Russia
- September, 1990 : Invited Speaker and Chairperson, 4th Congress of Vietnamese Mathematicians, Hanoi, Vietnam
- June, 1992 : Organizer and Invited Speaker, Conference on New Trends in Mathematics and Applications, Quynhon, Vietnam
- August, 1994 : Invited Speaker and Chairperson, International Workshop on Transform Methods and Special Functions, Sofia, Bulgaria
- August, 1996 : Plenary Address and Chairperson, Second International Workshop on Transform Methods and Special Functions, Varna, Bulgaria
- February, 1998 : Invited Speaker and Chairperson, International Conference on Inverse Problems and Applications, Quezon, Philippines
- May, 1998 : Organizer and Invited Speaker, International Conference on Fourier Analysis and Applications, Kuwait
- January, 1999 : Invited Speaker and Chairperson, Regional Workshop on Analysis and Numerics for Inverse Problems, Kiryu, Japan
- July, 1999 : Invited Speaker and Chairperson, International Conference on Feynmann Integrals and Related Topics, Seoul, South Korea
- January, 2001 : Invited Speaker, First International Conference on Industrial and Applied Mathematics in Indian Subcontinent and Sixth Annual Conference of ISIAM, Amritsar, India
- February, 2001 : Plenary Speaker and Chairperson, International Conference on Analytic Methods of Analytic and Differential Equations, Minsk, Belarus
- August, 2002 : Invited Speaker and Chairperson, International Conference on Abstract and Applied Analysis (ICAAA 2002), Hanoi, Vietnam
- June, 2005 : Invited Speaker, 2nd International Conference on Abstract and Applied Analysis, Quynhon University of Education, Quynhon, Vietnam
- September, 2005 : Plenary Speaker and Chairperson, International Conference on Harmonic Analysis and Approximations III, Institute of Mathematics, Tsakhadzor, Armenia
- June, 2006 : Plenary Speaker, 2nd IMT-GT 2006 Regional Conference on Mathematics, Statistics and Applications, Universiti Sains Malaysia, Penang, Malaysia

- September, 2006 : Plenary Speaker and Chairperson, 4th International Conference on Analytical Methods of Analysis and Differential Equations (AMADE-2006), Belarusian State University, Minsk, Belarus
- May, 2007 : Invited Speaker and Chairperson, International Conference on Applied Analysis, CINVESTAV-IPN, Queretaro, Mexico
- July, 2007 : Invited Speaker, Workshop on Applied Analysis and Differential Equations, Hanoi Institute of Mathematics, Hanoi, Vietnam
- August, 2008 : Invited Speaker, 6th Congress of Vietnamese Mathematicians, Quynhon, Vietnam
- May, 2011 : Invited Speaker, Workshop on New Trends in Modern Mathematics, Hong Duc University, Thanh Hoa, Vietnam
- October, 2011: Plenary Speaker, 6th International Conference on Transform Methods and Special Functions, Sofia, Bulgaria
- July-August, 2012: Plenary Speaker and Chairperson, 20th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications, Hanoi University of Science and Technology, Hanoi, Vietnam
- July, 2013: Invited Speaker, Workshop of Department of Mathematics, Quynhon University, Quynhon, Vietnam
- August, 2013: Invited Speaker, 9th ISAAC Congress, Krakow, Poland
- November, 2013: Opening Plenary Speaker and Chairperson, 2013 International Conference on Waves in Science and Engineering, Huatulco, Mexico

Conference Presentations

- February, 1981 : Anniversary Conference on Boundary Value Problems in memory of Belarusian Academician Gakhov's 75th Jubilee, Minsk, Belarus
- September, 1981 : Conference on Differential Equations and Applications, Leningrad (Saint-Petersburg), Russia
- May, 1983 : Second International Conference on Complex Analysis and Applications, Varna, Bulgaria
- August, 1990 : International Congress of Mathematicians - 90, Kyoto, Japan
- August, 1993 : Second International Gauss Symposium, Munich, Germany
- August-September, 1993 : International Conference on Inverse Problems: Principles and Applications in Geophysics, Technology and Medicine, Potsdam, Germany

- November, 1993 : Interdisciplinary Meeting on Inverse Problems and Nonlinear Evolutions, Montpellier, France
- May, 1996 : International Workshop on the Recent Advances in Applied Mathematics, Kuwait
- January, 2000 : International Conference on Mathematical Analysis and its Applications 2000, Kaoshiung, Taiwan
- January, 2002 : International Conference on Factorization, Singular Operators, and Related Problems, Madeira, Portugal
- March, 2002 : UAB02 International Conference on Differential Equations and Mathematical Physics, Birmingham, USA
- August-September, 2002 : International Conference on Nonlinear Partial Differential Equations - Theory and Approximation, Hong Kong
- March, 2004 : American Mathematical Society Meeting, Athens, Ohio, USA
- March, 2005 : American Mathematical Society Meeting, Bowling Green, Kentucky, USA
- March-April, 2005 : UAB05 International Conference on Differential Equations and Mathematical Physics, Birmingham, Alabama, USA
- July, 2005 : Asian Mathematical Conference AMC2005, Singapore
- July, 2007 : The 8th International Conference on Fixed Point Theory, Chiangmai, Thailand
- May-June, 2012 : International Conference on Applied Mathematics 2012, Modeling, Analysis & Computation, City University of Hong Kong, Hong Kong
- June, 2014: The 10th East Asia SIAM Conference, Pattaya, Thailand
- July, 2014: The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Madrid, Spain

Seminar and Colloquium Presentations

- March, 1987: Professor A. P. Prudnikov's Seminar, Computer Center of USSR Academy of Sciences, Moscow, Russia
- April, 1987 : Professor S. B. Stekin's Seminar, Belarusian State University, Minsk, Belarus
- May, 1987 : Professor A. I. Ianusauskas' Seminar, Lithuania Institute of Mathematics and Cybernetics, Vilnius, Lithuania
- June, 1987 : Professor I. A. Kipriyanov's Seminar, Voronez State University, Voronez, Russia
- September, 1987 : Academician S. M. Nikol'skii's Seminar, Steklov Institute of Mathematics, Moscow, Russia

- January, 1994 : Colloquium, Faculty of Mathematics and Informatics, Free University of Berlin, Berlin, Germany
- November, 1994 : Colloquium, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- March, 1995 : Colloquium, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- August, 1995 : Seminar, University of Tokyo, Tokyo, Japan
- September, 1995 : Seminar, Fukuoka University, Fukuoka, Japan
- August, 1997 : Seminar, Wolfram Research, Champaign, USA
- October, 1997 : Colloquium, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- June, 1999 : Series of 3 Lectures, Fukuoka University, Fukuoka, Japan
- July, 1999 : Seminar, Kyushu University, Fukuoka, Japan
- April, 2002 : Colloquium, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- May, 2002 : Seminar, Department of Mathematics, University of Bahrain, Bahrain
- September, 2002 : Prof. R. Wong's Seminar, City University of Hong Kong, Hong Kong
- January, 2003 : Colloquium, Department of Mathematics, State University of West Georgia, USA
- July, 2004 : Seminar, Section of Numerical Analysis, Hanoi Institute of Mathematics, Hanoi, Vietnam
- December, 2004 : Colloquium and Seminar, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- April, 2006 : Series of 3 Lectures, University of Hassan II, Casablanca, Morocco
- May, 2006 : Seminar, Department of Pure Mathematics, University of Porto, Porto, Portugal
- April, 2007 : Distinguished Lecture, College of Arts and Sciences, University of West Georgia
- May, 2008 : Colloquium and Seminar, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- January, 2009 : Colloquium, Hanoi Institute of Mathematics, Hanoi, Vietnam
- March, 2009 : Seminar, Department of Pure Mathematics, University of Porto, Porto, Portugal
- March, 2010: Series of 6 two-hour seminars, Department of Mathematics, Hanoi University of Education, Hanoi, Vietnam

- March, 2010: Series of 3 seminars, Department of Mathematics, Quynhon University, Quynhon, Vietnam
- April, 2010: Two-hour seminar, Department of Mathematics, Hanoi University of Technology, Hanoi, Vietnam
- April, 2010: Seminar, Chair of Mathematics, International University, Vietnam National University, HoChiMinh City, Vietnam
- April, 2010: Two-hour seminar, Department of Mathematics and Computer Science, University of Natural Sciences, HoChiMinh City, Vietnam
- May, 2010: Colloquium, Department of Mathematical Education, Saigon University, HCM City, Vietnam
- May, 2011: Two-hour seminar, Department of Mathematics, Hanoi University of Technology, Hanoi, Vietnam
- July, 2011: Two-hour seminar, Undergraduate Student Summer School, Hanoi Institute of Mathematics, Hanoi, Vietnam
- May, 2012: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam
- June, 2012: Two-hour colloquium, Department of Mathematics, Quynhon University, Quynhon, Vietnam
- November, 2012: Colloquium, Department of Mathematics and Philosophy, Columbus State University, Columbus, GA, USA
- April, 2013: Colloquium, Department of Mathematics and Statistics, University of Alaska Fairbanks, Fairbanks, AK, USA
- June, 2013: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam
- July, 2013: Colloquium, Department of Mathematics, Quynhon University, Quynhon, Vietnam
- May, 2014: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam
- June, 2014: Two-hour colloquium, Department of Mathematics, Quynhon University, Quynhon, Vietnam
- 2003–2014 : Applied Mathematics Seminar, University of West Georgia, 3 talks in 2003, 2 talks in 2004, 3 talks in 2005, 2 talks in 2006, 2 talks in 2007, 3 talks in 2008, 1 talk in 2011, 2 talks in 2012, 2 talks in 2013.

6. Visiting Positions

- April - May, 1988 : Friedrich-Schiller University, Jena, Germany
- September-December, 1990 : Belarusian State University, Minsk, Belarus

- October-November, 1991 : Hue College of Education, Hue, Vietnam
- February-March, 1992 : Quynhon College of Education, Quynhon, Vietnam
- January 1993-September 1994 : Free University of Berlin, Berlin, Germany
- November, 1993 : Friedrich-Schiller University, Jena, Germany
- August-September, 1995 : University of Tokyo and Fukuoka University, Tokyo-Fukuoka, Japan
- January-February, 1996 : Free University of Berlin, Germany
- July-August, 1997 : Wolfram Research, Champaign, USA
- January, 1999 : Gunma University, Kiryu, Japan
- June-July, 1999 : Fukuoka University, Fukuoka, Japan
- August-September, 2002 : City University of Hong Kong, Hong Kong
- July, 2004 : Hanoi Institute of Mathematics, Hanoi, Vietnam
- December 2004 : Kuwait University, Kuwait
- April-May, 2006 : University of Hassan II, Casablanca, Morocco
- May, 2006 : University of Porto, Porto, Portugal
- May, 2007 : Hanoi Institute of Mathematics, Hanoi, Vietnam
- May, 2008 : Kuwait University, Kuwait
- January, 2009 : Hanoi Institute of Mathematics, Hanoi, Vietnam
- March-April, 2009 : University of Porto, Porto, Portugal
- September-December, 2009 : Kuwait University, Kuwait
- March, 2010: Hanoi University of Education, Hanoi, Vietnam
- March, 2010: Quynhon University, Quynhon, Vietnam
- April-May, 2010: International University, Vietnam National University-HoChiMinh City, Vietnam
- June, 2012: Quynhon University, Quynhon, Vietnam
- July, 2013: Quynhon University, Quynhon, Vietnam
- June, 2014: Quynhon University, Quynhon, Vietnam

7. Courses taught at University of West Georgia

- **Undergraduate Level**
 Fall 2003, 2004, 2007, 2011: Elementary Differential Equations
 MATH 3303
 Fall 2003: Independent Study : Methods of Applied Mathematics
 MATH 3353
 Spring 2004, 2008: Elementary Linear Algebra MATH 2853
 Spring 2005, 2011, 2012: Advanced Calculus MATH 3243

Fall 2005: Calculus I Honor MATH 1634H
Fall 2005, Independent Study : Complex Variable MATH 4353
Fall 2006, 2008: Methods of Applied Mathematics MATH 3353
Spring 2007: Linear Algebra II MATH 4523 and 5523
Spring 2013, Independent Study : Real Analysis MATH 4253
Fall 2011, Independent Study : Applied Mathematical Modeling
MATH 4153

- **Graduate Level**

Fall 2008, 2010, 2014 - Mathematical Analysis I MATH 6253
Fall 2012, Spring 2014 - Applied Linear Algebra MATH 6513
Spring 2013 - Inverse Problems MATH 6613
Fall 2013 - Numerical Methods in Applied Mathematics MATH
6503
Spring 2014 - Independent Study : Signal Processing MATH 6403
Spring 2015 - Partial Differential Equations MATH 6363

8. Committee Service at University of West Georgia

- **Department of Mathematics**

- Director of the Center of Applied Mathematics and Science
2010– present
- Chair of the Graduate Committee 2003 – 2004, member 2010–
present
- Chair of the Seminar and Colloquium Committee 2003 – 2009
- Chair of the Discrete Mathematics Search Committee 2005–2006
- Chair of the Promotion to Full Professor Committee 2008 – 2009,
2010 – 2011, 2014 – 2015
- Coordinator of the ad-hoc Committee responsible for Math Day
Competition for Undergraduates, 2007 – 2009, 2010– present
- Member of the MATH DAY Committee 2011– present - Mem-
ber of the Advisory Committee 2003 – 2009, 2010– present
- Member of the Search Committee for 4 tenured-track positions
2003 – 2004
- Member of the Math Ed Search Committee 2006 – 2007, 2011 –
2012
- Member of the Search Committee for a tenured-track position
in Applied Mathematics 2012 – 2013
- Member of the Tenure and Promotion Committee 2003 – 2009,
2010– present
- Member of the Faculty Evaluation Policies Committee 2003 –
2009, 2010 – 2011, Chair 2011– present
- Member of the Space and Equipment Committee 2005 – 2009,
2010– present
- Member of the Post-Tenure Review for Dr. Scott Gordon, 2005
- Chair of the Facilities Committee 2008 – 2009
- Member of the Undergraduate Curriculum Committee, Spring
2013
- Chair of the Strategic Planning Committee 2011– present

- **Service at College Level**
 - Member of the Distinguished Scholar Awards Committee 2007 – 2009
 - Member of the Tenure and Promotion Committee 2008 – 2009
 - Member of the Interim Dean Search Committee, 2010
 - Member of the College Ad-hoc Advisory Committee, 2010 – 2011
- **Service at University Level**
 - Member of the University Post-Tenure Appeals Review Committee, 2005 – 2006.
 - Member of the University General Education and Core Requirements Review Committee, 2008

9. Conference Organizing

- Member of the Organizing Committee of the Conferences on New Trends in Mathematics and Applications, June 1992, Quy Nhon, Vietnam
- Member of the Program and Organizing Committees of the International Conference on Fourier Analysis and Applications FAA 98, May 1998, Kuwait
- Member of the Program and Scientific Committees of the International Conference on Abstract and Applied Analysis ICAAA 2002, August 2002, Hanoi, Vietnam
- Organizer of the Workshop on Inverse Problems, February 2004, Carrollton, Georgia, USA
- Organizer of the Workshop on Sampling, Spectral Theory and Their Applications, April 2005, Carrollton, Georgia, USA
- Member of the Scientific Committee of the International Conference on Abstract and Applied Analysis ICAAA 2005, June 2005, Quy Nhon, Vietnam
- Organizer of the Special Session on Integral Transforms and Applications at 5th ISAAC Congress, July 2005, Catania, Italy
- Member of the Scientific Advisory Committee of the International Conference on Abstract and Applied Analysis ICAAA-2005, June 2005, Quynhon, Vietnam
- Member of the Scientific Advisory Committee of the 4th International Conference "Analytic Methods of Analysis and Differential Equations AMADE-2006", September 2006, Minsk, Belarus
- Member of the Coordination Group, International Mathematical Olympiads IMO 48, July 2007, Hanoi, Vietnam
- Local Host for Integers Conferences, October 2003, 2005, and 2007, University of West Georgia, Carrollton, Georgia, USA

10. Scholarships and Awards

Awards

- Silver Medal, XX International Mathematical School Olympiads, Bucarest, 1978.
- First Place, Belarusian Mathematical Student Olympiads 1980–1981–1982, Minsk.
- Third Place, USSR Mathematical Student Olympiads 1981, Vilnius.
- Best Research Award, Faculty of Science, Kuwait University, 1998–1999.
- College of Arts and Sciences Distinguished Scholar Award, UWG, 2007.

Scholarships

- 1979–1988 Vietnamese Government Scholarship at the Belarusian State University, USSR
- 1993–1994 Alexander von Humboldt Postdoctoral Fellowship at the Free University of Berlin, Germany

11. Ph.D. Supervision

- Grinkevich G.V. Some integral equations containing the hypergeometric functions of two and three variables in the kernels. Ph.D. Dissertation, Belarusian State University, Minsk, 1987, 128 pp (Co-supervisor).
- Nguyen Thanh Hai. The functions of hypergeometric type of two variables and two-dimensional integral transforms. Ph.D. Dissertation, Belarusian State University, Minsk, 1990, 141 pp (Co-supervisor).
- Nguyen Thi Tinh. Some finite summation formulas and relations between Legendre, Bernoulli, and Euler polynomials. Ph.D. Dissertation, Hanoi Institute of Mathematics, Hanoi, 1997, 54 pp.
- Dinh Thanh Duc. Some problems in the theory of integral transforms. Ph.D. Dissertation, Hanoi Institute of Mathematics, Hanoi, 2000, 90 pp.
- Tran Dinh Phung, Department of Mathematics, Quy Nhon University, starting Jan. 2014 (Co-supervisor)

12. Postdoctoral Supervision

- Dr. Hyun Soo Chung, Dankook University, Cheonan, Korea, stay at UWG from August 2010 to June 2011.

13. Editorship

- Editorial Board (2006 and since 2012) and Associate Editor (2007-2012) of the "Integral Transforms and Special Functions"
- Editor of the "Armenian Journal of Mathematics" since foundation 2008
- Editor of the "Acta Mathematica Vietnamica" since 2008
- Editor of the "Fractional Calculus and Applied Analysis. An International Journal" since foundation 1998
- Editor of the "Fractional Differential Calculus" since 2014
- Editor of the "East–West Journal of Mathematics" since foundation 1998
- Editor of the "Kuwait Journal of Science & Engineering", 2002-2003
- Editor of the "International Journal on Nonlinear Mathematical Analysis", 2002
- Editorial Advisor of "Journal of Rajasthan Academy of Physical Sciences" since 2002
- Editorial Advisor of the Journal "Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia" since 1993
- Guest Editor of "Numerical Functional Analysis and Optimization", Volume 121(2000), Double Issue No 1 & 2
- Editor of the Book "Abstract and Applied Analysis", World Sci. Publ., River Edge, NJ, 2004
- Editor of the Book "Harmonic, Wavelet and p -adic Analysis", World Sci. Publ., Hackensack, NJ, 2007
- Editor of the Book "Advances in Deterministic and Stochastic Analysis", World Sci. Publ., Hackensack, NJ, 2007

14. Publications

1. Marichev O.I. and Vu Kim Tuan. Some properties of the q -gamma function $\Gamma_q(z)$ (Russian). *Dokl. Akad. Nauk BSSR* **26**(1982), no 6, p. 488-491, MR 83h: 33002.
2. Kilbas A.A. and Vu Kim Tuan. A multidimensional analogue of Abel's integral equation (Russian). *Dokl. Akad. Nauk BSSR* **26**(1982), no 10, p. 879-881, MR 84j: 45024.
3. Chikhanov Kh.A. and Vu Kim Tuan. The third differential equation for certain Kummer series (Russian). *Izv. Vyssh. Uchebn. Zaved. Mat.* No **12**(1982), p. 79-80, MR 84e: 35024, translation in *Sov. Math.* **26**(1982), no 12, p. 94.
4. Marichev O.I. and Vu Kim Tuan. The definition of a general G-function of two variables, its special cases and differential equations (Russian). *VINITI Reprint* 11. 11. 1982, No 687-83, 23 pp.

5. Vu Kim Tuan. Regular solutions of a degenerate partial differential equation (Russian). *VINITI Reprint* 29. 08. 1982, No 4642-82, 11 pp.
6. Vu Kim Tuan. Volterra integral equations containing the functions F_2 and G_2 in the kernel (Russian). *Dokl. Akad. Nauk Armyan SSR* **77**(1983), no 5, p. 201-204, MR 86d: 45004.
7. Vu Kim Tuan. Dimension of the manifolds of solutions of a system of partial differential equations (Russian). *Izv. Vyssh. Uchebn. Zaved. Mat.* No **10**(1983), p. 18-21, MR 85f: 35032, translation in *Sov. Math.* **27**(1983), no. 10, p. 22-27.
8. Marichev O.I. and Vu Kim Tuan. The definition of a general G-function of two variables, its special cases and differential equations (Russian). *Differentsial'nye Uravneniya* **19**(1983), no 10, p. 1797-1799.
9. Vu Kim Tuan. The best parallel factorization in a problem of exchange of information (Russian). *Dokl. Akad. Nauk BSSR* **27**(1983), no 5, p. 399-401.
10. Marichev O.I. and Vu Kim Tuan. The problems of definitions and symbols of G- and H-functions of several variables. *Rev. Tecn. Fac. Ingr. Univ. Zulia, Edicion Especial* **6**(1983), p. 144-151, MR 86c: 33009.
11. Vu Kim Tuan. On the number of solutions of a system of partial differential equations (Russian). *Differentsial'nye Uravneniya* **20**(1984), no 11, p. 1989-1992, MR 86f: 35050.
12. Vu Kim Tuan. An application of representations of groups to the calculation of integrals containing the Appell functions F_1 and F_2 (Russian). *VINITI Reprint* 12. 11. 1985, No 7908-B, 8 pp.
13. Vu Kim Tuan. A two-dimensional Volterra integral equation with a difference kernel containing a Horn function (Russian). *Complex Analysis and Applications '83* (Varna, 1983), p. 314-321, *Bulgar. Acad. Sci., Sofia*, 1985, MR 86i: 00013.
14. Marichev O.I. and Vu Kim Tuan. Some Volterra equations with the Appell function F_1 in the kernel (Russian). *Scientific Works of the Jubilee Seminar on Boundary Value Questions*, Collect. Artic., p. 167-172, Minsk, 1985.
15. Marichev O.I. and Vu Kim Tuan. Composition structure of some integral transformations of convolution type (Russian). *Reports of the extended sessions of a seminar of the I.N. Vekua Institute of Applied Mathematics* (Tbilisi, 1985) **1**(1985), no 1, p. 139-142, Tbilisi Gos. Univ., Tbilisi, 1985, MR 87i: 00014.
16. Vu Kim Tuan. Integral transformations of Fourier type in a new class of functions (Russian). *Dokl. Akad. Nauk BSSR* **29**(1985), no 7, p. 584-587, MR 86k: 42024.

17. Vu Kim Tuan. On n -ary integral equations (Russian). *Ukrain. Mat. Zh.* **37**(1985), no 4, p. 430-437, MR 87b: 45012, translation in *Ukr. Math. J.* 37(1985), p. 340-346.
18. Vu Kim Tuan and Yakubovich S.B. The Kontorovich-Lebedev integral transformation in a new class of functions (Russian). *Dokl. Akad. Nauk BSSR* **29**(1985), no 1, p. 11-14, MR 86d: 44009, translation in *Amer. Math. Soc. Transl. (2)* 137(1987), p. 61-65.
19. Vu Kim Tuan. *Some Problems of the Theory and Applications of Functions of Hypergeometric Type* (Russian). Ph. D. Dissertation, Byelorussian State University, Minsk, 1985, 118 pp.
20. Vu Kim Tuan. On the factorization of integral transformations of convolution type in the space L_2^Φ (Russian). *Dokl. Akad. Nauk. Armyan SSR* **83**(1986), no 1, p. 7-10.
21. Vu Kim Tuan. On the theory of generalized integral transforms in a certain function space (Russian). *Dokl. Akad. Nauk SSSR* **286**(1986), no 3, p. 521-524, MR 87f: 44001, translation in *Soviet Math. Dokl.* 33(1986), no 1, p. 103-106.
22. Vu Kim Tuan. On the theory of Volterra integral equations with special functions in the kernels (Russian). *Dokl. Akad. Nauk BSSR* **30**(1986), no 8, p. 689-691, MR 87m: 45010.
23. Vu Kim Tuan, Marichev O.I. and Yakubovich S.B. Composition structure of integral transformations (Russian). *Dokl. Akad. Nauk SSSR* **286**(1986), no 4, p. 786-790, MR 87g: 44001, translation in *Soviet Math. Dokl.* 33(1986), no 1, p. 166-170.
24. Marichev O.I., Adamchik V.S. and Vu Kim Tuan. Solutions of a generalized hypergeometric differential equation (Russian). *Dokl. Akad. Nauk BSSR* **30**(1986), no 10, p. 876-878, MR 88a: 33006.
25. Vu Kim Tuan. A multiplication theorem for generalized hypergeometric functions (Russian). *Vestnik Beloruss. Gos. Univ. Ser. I* No **2**(1986), p. 42-44, MR 87j: 33009.
26. Vu Kim Tuan and Dinh Hoang Anh. The generalized hypergeometric functions ${}_3F_2$ with special values of the argument and parameters (Russian). *Vestnik Beloruss. Gos. Univ. Ser. I* No **1**(1986), p. 53-56, MR 87f: 33010.
27. Yakubovich S.B. and Vu Kim Tuan. On the Kontorovich-Lebedev transform (Russian). *Equations of Nonclassical Type*, Collect. Sci. Works, p. 194-197, Novosibirsk, 1986.
28. Vu Kim Tuan. Generalized integral transformations of convolution type in some space of functions. *Complex Analysis and Applications '85* (Varna, 1985), p. 720-735, *Bulgar. Acad. Sci., Sofia*, 1986, MR 88h: 00002.

29. Marichev O.I. and Vu Kim Tuan. The factorization of G-transform in two spaces of functions. *Complex Analysis and Applications '85* (Varna, 1985), p. 418-433, Bulgar. Acad. Sci., Sofia, 1986, MR 89i: 44003.
30. Vu Kim Tuan and Kalla S.L. Some transformations and integral representations of Horn's functions. *Rev. Tecn. Fac. Ingr. Univ. Zulia, Edicion Especial* **10**(1987), no 1, p. 81-94, MR 88k: 33011.
31. Yakubovich S.B., Vu Kim Tuan., Marichev O.I. and Kalla S.L. A class of index integral transforms. *Rev. Tecn. Fac. Ingr. Univ. Zulia, Edicion Especial* **10**(1987), no 1, p. 105-118, MR 89a: 44012.
32. Vu Kim Tuan. Application of representations of groups to the calculation of some multiple integrals that contain the Tricomi function (Russian). *Vestsi Akad. Navuk BSSR Ser. Fiz. Mat. Navuk* No **3**(1987), p. 36-40, MR 88k: 33026.
33. Vu Kim Tuan and Grinkevich G.V. Solvability of a certain class of two-dimensional integral equations of Abel type (Russian). *Dokl. Akad. Nauk BSSR* **31**(1987), no 7, p. 589-592, MR 88j: 45006.
34. Vu Kim Tuan. *Integral Transforms and Their Composition Structure* (Russian). Dr. Sci. Dissertation, Byelorussian State University, Minsk, 1987, 275 pp.
35. Vu Kim Tuan and Marichev O.I. Fractional integrals and derivatives as integral transforms (Russian), pp. 511-529. §36 in Samko S.G., Kilbas A.A., Marichev O.I. " *Fractional Integrals and Derivatives. Theory and Applications*". Nauka i Tekhnika, Minsk, 1987, translated by Gordon and Breach, 1993, p. 703-730.
36. Vu Kim Tuan. New classes of integral transforms with respect to an index (Russian). *Dokl. Akad. Nauk SSSR* **299**(1988), no 1, p. 30-35, translation in Soviet Math. Dokl. **37**(1988), no 2, p. 317-321, MR 89h: 44001.
37. Vu Kim Tuan. Some integral transforms of Fourier convolution type (Russian). *Dokl. Akad. Nauk SSSR* **300**(1988), no 3, p. 521-525, MR 89i: 44009, translation in Soviet Math. Dokl. **37**(1988), no 3, p. 669-673.
38. Vu Kim Tuan and Yakubovich S.B. Kontorovich-Lebedev transformation of functions that admit exponential growth (Russian). *Mat. Fiz. Nelinein. Mekh.* No **9**(43)(1988), p. 6-9, MR 89k: 44012.
39. Vu Kim Tuan. Some integral transformations with a Macdonald function in the kernel (Russian). *Current Analysis and Its Applications*, p. 16-22, Naukova Dumka, Kiev, 1989, MR 91d: 44003.
40. Vu Kim Tuan. Some integral transformations with the Macdonald function $K_\nu(z)$ in the kernels (Russian). *Ukrain. Mat. Zh.* **42**(1990),

- no 7, p. 990-993, MR 91k: 44008, translation in Ukr. Math. J. 42(1990), no 7, p. 880-883 (1991).
41. Vu Kim Tuan. Modified Laplace transforms and a multidimensional H-transform (Russian). *Dokl. Akad. Nauk SSSR* **313**(1990), no 6, p. 1299-1302, translation in Soviet Math. Dokl. 42(1991), no 1, p. 150-153, MR 91k: 44006.
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