

CV of Professor Gogi Rauli Pantsulaia

Name: Gogi R. Pantsulaia

Born: September 14, 1960, Georgia

Citizenship: Georgia

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Education:

1974 – finished 8 class at I.Gogebashvili Sukhumi School No.11.

1977 – finished V. Komarov Tbilisi Secondary School No. 2, with physics and mathematics orientation

1982 - MSc in Mathematics. Tbilisi State University, Georgia. Supervisor - Doctor of Physics and Mathematics, Professor G.Nijaradze, Thesis title: “Vitali systems and differentiability of absolutely continuous functions “. Awarded Gold Diploma (highest grade for thesis and course work)

1985 - Certificate of completion of three years PhD course in Theory of probability and Mathematics statistics. Tbilisi State University. Supervisors: Doctor of Physics and Mathematics, Professor Gvandji . Mania.Doctor of Physics and Mathematics, Professor Kharazishvili Alexander ;

1985 - PhD in Mathematics. Institute of mathematics, Ukrainian Academy of Sciences, Kiev, Ukraine; Leading organization: Steklov institute of mathematics, Moscow . Thesis title: “**Some properties of probability measures in space with additional structures**”(01.01.05-Probability Theory) . Supervisor : Doctor of Physics and Mathematics, Professor Kharazishvili Alexander

2003 - Degree of Doctor of Physics and mathematics, Iv.Javakhishvili Tbilisi State University, I.Vekua Institute of Applied Mathematics, Tbilisi, Georgia (University st.2, Tbilisi, 0143) Thesis title: “ **On some Quasiinvariant Measures and Dynamical Systems in infinite-Dimensional Vector Spaces**”(01.01.08-Mathematical Cybernetics), Scientific consultant-Doctor of Physics and Mathematics, Professor Kharazishvili Alexander

8. *International Workshop on Variable Exponent Analysis and Related Topics,*

Tbilisi (Georgia) September 2-5, 2008.

Work Experience

1985 -1987 - Reseach Fellow, Institute of the Management System, Academy of Georgian Sciences.

1988 - 2004 - Associate professor, Department of mathematics, Georgian Technical University.

1997 -2004 - Invited professor , Sukhumi branch of I. Javakhishvili Tbilisi State University .

2004 - 2006 - Professor , Department of mathematics, Georgian Technical University.

2005 - 2006 - Senior researcher , Division of Discrete Mathematics , I.Vekua Institute of Applied Mathematics, Tbilisi State University.

2006 - to day - Full professor , Division of Mathematical Analysis , Department of Mathematics, Georgian Technical University.

2009 - to day - Senior researcher, Division of Discrete Mathematics, I.Vekua Institute of Applied Mathematics, Tbilisi State University.

Scientific interest and achievements:

Set-theoretical aspects of real analysis, measure theory and related areas of mathematics.

Text books and booklets

1. G.Pantsulaia, Probability theory and mathematical statistics, part I, Tbilisi State University Publishers, © Copyright 1997-1998 (ISBN 99928.56-65-3) (1998) (in Georgian)(textbook)
2. G.Pantsulaia, B.Misabishvili, Invariant Borel measures in the vector space $R^{[0;\pi]}$, Publishers"Intelekti", © Copyright 2000 (ISBN 99928-860-3 x), (2000) (booklet)
3. G.Pantsulaia, B.Misabishvili, On some properties of nonmeasurable functions defined on metric spaces, Publishers"Intelekti", © Copyright 2000 (ISBN 99928-860-5 –6), (2000), (booklet)
4. G.Pantsulaia, L.Khocholava ,Homogeneous dynamical systems and their properties, Publishers"Intelekti", © Copyright 2005 (ISBN 99928-860-4 –8), (2000) (booklet)
5. G.Pantsulaia, Elements of probability theory, Georgian Technical University Publishers, © Copyright 1004-2005 (ISBN 99940-40-33-2), (2005), (in Georgian)(textbook)
6. G.Pantsulaia, Elements of probability theory, Georgian Technical University Publishers, © Copyright 2005 (ISBN 99940-4809-0), (2005), (in Georgian)(textbook)

Monographs

1. G. Pantsulaia, *Invariant and Quasiinvariant Measures in Infinite-Dimensional Topological Vector Spaces*, Nova Science Publishers, © Copyright 2004-2007 (ISBN.1-60021-719-2), New York -2007 , xii+231 pp.

Webpage :

https://www.novapublishers.com/catalog/product_info.php?products_id=5715

2. G. Pantsulaia, *Generators of Shy Sets in Polish Groups*. Nova Science Publishers, Inc., New York, 2010 (ISBN: 978-1-61728-030-6)

Webpage:

https://www.novapublishers.com/catalog/product_info.php?products_id=14884

Participation in International Conferences:

1. *Enlarged Sessions of the Seminar of I.Vekua Inst. Appl. Math.*, Tbilisi (Georgia), 1994.

Web page : [http://www.viam.hepi.edu.ge/enl\\$\underline{\}\\$ses/vo19.htm](http://www.viam.hepi.edu.ge/enl$\underline{\}$ses/vo19.htm)

2. *ISPM, School and Colloquium: Stochastic Analysis and Applications in Control, Statistics and Financial Modeling*, Tbilisi (Georgia), September 1-7, 2002.

Web page : <http://www.rmi.acnet.ge/ispm/ispm-02/stat/abs.htm>

3. *Conference "Kolmogorov-100". MSU. Section 1. Dynamical Systems and Ergodic Theory*. Moskow (Russia) ,15-21 June, 2003.

Web page : <http://kolmogorov100.mi.ras.ru/info91.htm>

4. *Conference in Probability Theory and Mathematical statistics Dedicated to Centary of A.N.Kolmogorov*, Tbilisi (Georgia), September 21-27, 2003.

Web page : <http://www.rmi.acnet.ge/ispm/ispm-02/stat/welcome.htm>

5. *International Conference: Modern Problems and New Trends in Probability Theory*, Chernivtsi (Ukraine), June 19-26, 2005.

6. *International School and Workshop on Function Spaces*, Integral Transforms and Applications in PDE, Dedicated to the 100 th Birthday Anniversary of Professor Archil Kharadze, Tbilisi (Georgia), August 31-September 5, 2005.

Web page : <http://www.rmi.acnet.ge/ispm/ispm-05/func/program.html#programme>

7. *International Conference*, Skorokhod Space, 50 Years on, Kyiv (Ukraine), 17-23 June, 2007.

Web page : <http://www.rmi.acnet.ge/eng/VEART/WEBSITE.pdf>

9. **International conference on Modern Problems in Applied Mathematics**
Dedicated to the 90th Anniversary of the Iv. Javakhisvili Tbilisi State University &
40th Anniversary of the I.Vekua Institute of Applied Mathematics, Section :
Foundation of Mathematics and Mathematical Logic, Tbilisi (Georgia),
7-9 October, 2008.

Web page : http://www.viam.science.tsu.ge/viam40/tezisebis_krebuli.pd

10. **37th Winter School in Abstract Analysis**, Kacov (Czech), 17 – 22 January,
2009.

Web page : <http://www.karlin.mff.cuni.cz/~lhota/>

11. **Stochastic analysis and random dynamics, International conference**,
Lviv(Ukraine), 14 .VI- 20.VI, 2009

Web page : <http://www.imath.kiev.ua/~sard/program2009.rtf>

12. **39th Winter School in Abstract Analysis**, Kacov (Czech), 15 – 24 January,
2011.

Web page : <http://www.karlin.mff.cuni.cz/~lhota/>

Membership of Editorial Boards of International Scientific Journals

1. *Georgian International Journal of Science and Technology*,

2. *Intellectual*.

Reviewer of International Scientific Journals

1. Mathematical Reviews

2. *Georgian Mathematical Journal*,

3. *Mathematical Analysis and Applications*,

4. *Proc. A. Razmadze Math. Inst.*

5. *Georg. Inter. J. Sci. Tech.*, Nova Science Publishers,

6. . “*Intellectual*”

Membership of Mathematical Societies

1. Member and the secretary of national committee of Georgian Mathematical Society.
2. Member of American Mathematical Society

Participation in Scientific Grant Projects

2005	Georgian Ministry of Education and Science	Grand GNSF /ST 0 1/ 01-90.
2008 - 2009	Georgian National Foundation	Grand GNSF/ST 07/3-178
2009	Georgian National Foundation	Grand GNSF/ST 08/3-391
2010 2013	Shota Rustaveli National Foundation	Grand NSF/ST 09/3-105

Scientific Publications of Gogi Rauli Pantsulaia

[1] G.Pantsulaia , On Generalized Integrals for Vector-Functions, Theses of Scientific Reports of the Republic School-Seminar "Topological Aspects of Functions Theory", Tbilisi:1984 (in Russian).

[2] G.Pantsulaia , Some properties of families of probability measures, *Soobshch. Akad. Nauk Gruzin. SSR* 120 (1985), no. 2, 245--248 (1986) (in Russian).

[3] G.Pantsulaia , On the existence of a quasi-invariant measure on a nonlocally compact noncommutative topological group, *Soobshch. Akad. Nauk Gruzin. SSR* 120 (1985), no. 1, 53-55(in Russian)

[4] G.Pantsulaia , Generalized integrals, *Soobshch. Akad. Nauk Gruzin. SSR* 117 (1985), no. 1, 33-36 (in Russian).

[5] G.Pantsulaia , A. Kirtadze, The property of essential uniqueness of invariant measures in vector spaces. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* 127 (1987), no. 1, 33--35)

[6] G.Pantsulaia , Invariant and quasi-invariant measures in some function spaces. *Soobshch. Akad. Nauk Gruzin. SSR* 134 (1989), no. 3, part I, 489-492 (in Russian)

- [7] G.Pantsulaia , Independent families of sets and some of their applications to measure theory. *Soobshch. Akad. Nauk Gruzin. SSR* 134 (1989), no. 1, 29--32 (in Russian).
- [8] G.Pantsulaia , On orthogonal families of probability measures, *Trans. GPI*, (1989) 8(350), 106--112 (in Russian).
- [9] G.Pantsulaia , On invariant measures in some functional spaces, *Trans. GTU*, (1991) no 10 (383), 9-14 (in Russian).
- [10] G.Pantsulaia , Invariant measures in the space $\mathbb{R}^{\mathbb{N}}$. (Russian) *Soobshch. Akad. Nauk Gruzii* **141** (1991), no. 2, 273--276.
- [11] G.Pantsulaia , A. Kirtadze, On uniquely definable extensions of invariant measures in the space $\mathbb{R}^{\mathbb{N}}$. (Russian) *Soobshch. Akad. Nauk Gruzii* **149** (1994), no. 2, 189--192 (1995)
- [12] G.Pantsulaia , On non-elementary extensions of the Haar measure, *Reports of Enlarged Sessions of the Seminar of I.Vekua Inst. Appl. Math.*, vol.9. no 13, (1994), Tbilisi, p.40--43.
- [13] G.Pantsulaia , Density points and invariant extensions of the Lebesgue measure. (Russian) *Soobshch. Akad. Nauk Gruzii* 151 (1995), no. 2, 216--219 (1996). CMP 1 652 055.
- [14] G.Pantsulaia , On translation-invariant measures in the non-separable Banach space l^{∞} , *Trans. of GTU*,2(430)(2000), 18--21.
- [15] G.Pantsulaia , B.Misabishvili, Invariant Borel measures in the vector space $R^{[0;\pi]}$, *Publishers "Intelekti"*, © Copyright 2000 (ISBN 99928-860-3 x), (2000) (booklet).
- [16] G.Pantsulaia , B.Misabishvili, On some properties of nonmeasurable functions defined on metric spaces, *Publishers "Intelekti"*, © Copyright 2000 (ISBN 99928-860-5 –6), (2000), (booklet).
- [17] G.Pantsulaia , L.Khocholava, Homogeneous dynamical systems and their properties, *Publishers "Intelekti"*, © Copyright 2005 (ISBN 99928-860-4 –8), (2000) (booklet).
- [18] G.Pantsulaia , Vector fields of velocities in infinite-dimensional topological vector space $R^{\mathbb{N}}$ which preserve a measure μ , *Trans. of GTU*, 1(434) (2001),9--16.
- [19] G.Pantsulaia , On Economical Connection Property In Infinite-Dimensional Topological Vector Spaces, *Thesises of Reports, Georgian Mathematicians III Congress, Tbilisi, 11-13 Octomber* (2001),100.
- [20] G.Pantsulaia , Duality of measure and category in infinite-dimensional separable Hilbert space, *IJMMS* 30:6(2002). 353-363 PII.S0161171202012371.

- [21] G.Pantsulaia , On the Strict Transitivity Property for Infinite-Dimensional Topological Vector Spaces, *Bull. Georgian Acad.Sci.*,166,no 1 (2002), 32-35.
- [22] G.Pantsulaia , On the Sierpinski-Erdos duality principle and Steinhaus property in infinite-dimensional topological vector spaces, *Bull. Georgian Acad. Sci.*, 166, no 2 (2002), 231-233.
- [23] G.Pantsulaia , Representations of Borel Product-Measures by Haar Measure and Some of Their Applications, *Abstracts, ISPM, School and Colloquium: Stochastic Analysis and Applications in Control, Statistics and Financial Modeling, September 1-7,(2002), Tbilisi, Georgia.*
- [24] G.Pantsulaia , Calculation of Jacobian for measurable linear operators in the Vector Space of all Real-Valued Sequences. *Theses of the Reports of Professors and Lecturers Scientific-Technical Conference Dedicated to the 80 Anniversary of Georgian technical University, Tbilisi,(2002),211.*
- [25] G.Pantsulaia , **On some quasiinvariant measures and dynamical systems in infinite-dimensional vector spaces** : Dis. for the doctor of phys. a. math. sciences 01.01.08 / Sci. consultant Alexander Kharazishvili ; *Georg. techn. Univ., Dep. of math. no. 63 - Tb., 2003 - [3],182p. - - Bibliogr.: p. 172-182* [MFN: 5321]
- [26] G.Pantsulaia , On separation properties for families of probability measures, *Georgian Mathematical Journal*, vol.10, no 2, (2003), 335--342.
- [27] G.Pantsulaia , An Analogue of Liouville's Theorem in Infinite-Dimensional Separable Hilbert space l_2 . *Collection of Abstracts (Comtributed Papers in English).Section 1. Dynamical Systems and Ergodic Theory. Conference "Kolmogorov-100". MSU.Moskow.15-21 June(2003), 79--80.*
- [28] G.Pantsulaia , Relations between Shy sets and Sets of ν_p -Measure Zero in Solovay's Model, *Bull. Polish Acad.Sci.*, vol.52, No.1, (2004). 63—69.
- [29] G.Pantsulaia , On an Invariant Borel Measure in Hilbert Space, *Bull. Polish Acad.Sci.*, vol.52, No.2, (2004), 47--51.
- [30] G.Pantsulaia , An Applications of independent families of sets to the measure extension problem, *Georgian Mathematical Journal*, vol.11, no 2, (2004), 379--390.
- [31] G.Pantsulaia , A. Kirtadze, On some notions of null sets in the infinite-dimensional topological vector space $\mathbb{R}^{\mathbb{N}}$. *Bull. of the Georgian Acad. Sci.*, 172 N2(2005),198-201.
- [32] G.Pantsulaia , :A. Kirtadze, Relation between shy sets and Haar null-Sets in the Banach Space l^∞ , *Bull. of the Georgian Acad. Sci.*, 172 N (3), (2005),381-383.
- [33] G.Pantsulaia , A. Kirtadze, On null sets in infinite dimensional separable Banach spaces International Conference: Modern Problems and New Trends in Probability Theory, *Abstracts II, Chernivtsi, Ukraine, June 19-26,* (2005) 56-57.

- [34] G.Pantsulaia , On an infinite-dimensional analogy of Cramer Rule in Solovay model, *Thesises of Reports, Georgian Mathematicians IY Congress, Tbilisi, 14-16 , November (2005)*, 122
- [35] G.Pantsulaia , A. Kirtadze, On null sets in infinite-dimensional Banach spaces. *Proc. A. Razmadze Math. Inst.* 139 (2005), 128--131.
- [36] G.Pantsulaia , A. Kirtadze, Lebesgue nonmeasurable sets and the uniqueness of invariant measures in infinite-dimensional vector spaces. *Proc. A. Razmadze Math. Inst.* 143 (2007), 95—101.
- [37] G.Pantsulaia , On an inductive limit of invariant measures, *Abstracts, International Conference, Skorokhod Space, 50 Years on, 17-23 June, Kyiv, Ukraine, (2007)* 86—88.
- [38] G.Pantsulaia , Invariant and quasiinvariant measures in infinite-dimensional topological vector spaces. *Nova Science Publishers, Inc., New York, 2007.* xii+234 pp. ISBN: 978-1-60021-719-7; 1-60021-719-2 .
- [39] G.Pantsulaia , On intersection of problems of theoretical statistics and set theory, *Far East Journal of Theoretical Statistics*, Volum 25, Issue 2, Pages 251-271(July 2008)
- [40] G.Pantsulaia , On Komjat's conjecture in the Martin-Solovay model , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, 1 (1) (2008), 71-76
- [41] G.Pantsulaia , G.Giorgadze, ON SOME APPLICATIONS OF GENERATORS OF SHY SETS IN INFINITE DIMENSIONAL ANALYSIS, *INTERNATIONAL WORKSHOP ON VARIABLE EXPONENT ANALYSIS AND RELATED TOPICS*, SEPTEMBER 2-5 (2008) p.1 -46 (website: <http://haota.ualg.pt/vea/Pantsulaia.pdf>)
- [42] G.Pantsulaia , A RELATION BETWEEN SOME TRANSLATION-INVARIANT BOREL MEASURES ON \mathbb{R}^N , Book of abstracts, *International Conference on Modern Problems in Applied Mathematics Dedicated to the 90th Anniversary of the Iv. Javakhishvili Tbilisi State University & 40th Anniversary of the I. Vekua Institute of Applied Mathematics 7-9 October, 2008, Tbilisi*, p. 14
- [43] G.Pantsulaia , G.Giorgadze, On analogy of Liouville theorem in Hilbert space \mathbb{R}_2 , , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 1 Issue 2.(2008) , 167-179.
- [44] G.Pantsulaia , On Left-Invariant Probability Measures on General Groups, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, 1(3) (2008), 209-226
- [45] G.Pantsulaia , On generators of shy sets on Polish topological vector spaces, *New York J. Math.*, 14 (2008) , 235 – 261
- [46] G.Pantsulaia , On a certain partition of the non-locally compact abelian Polish group $\mathbb{Bbb}\{R\backslash sp N\}$. *Proc. A. Razmadze Math. Inst.* 149 (2009), 75--86.

- [47] G.Pantsulaia , Change of variable formula for “Lebesgue measures” on \mathbb{R}^N , *J. Math. Sci. Adv. Appl.* **3**, 2 (1) (2009), 1-12.
- [48] G.Pantsulaia , On a generalized Fourier μ -series in some infinite-dimensional Polish topological vector spaces , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, 1(4) (2008), 313-326
- [49] G.Pantsulaia , On a certain example of a non-locally compact non-abelian Polish group which does not satisfy CCC, *Sokhumi state university proceedings, Mathematics and computer series, v. 4 (2008), 94-98*
- [50] G.Pantsulaia , G.Giorgadze, On Liouville type theorems for Mankiewicz and Preiss-Tišer generators in R^N , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 1 (2009) 89-101 .
- [51] G.Pantsulaia , On infinite version of some classical results in Linear Algebra and Vector Analysis , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 1 (2009) , 73-88.
- [52] G.Pantsulaia, On a certain transition kernel in Solovay model, *Fifth congress of mathematicians of Georgia, Batumi-Kutaisi (Georgia), Abstracts of contributed talks*, p. 31(2009).
- [53] G.Pantsulaia , On a certain property of zeroes of the Riemann's extended zeta function, *J. of Algebras, Groups and Geometries*, 26, No. 2, 223-229 (2009).
- [54] G.Pantsulaia , On a certain problem of E.Szpilrajn for non-separable complete metric spaces, *Abstracts, stochastic analysis and random dynamics, International conference*, June 14-20, Lviv, Ukraine, 190-191 (2009).
- [55] G.Pantsulaia , On ordinary and Standard Lebesgue Measures on \mathbb{R}^{∞} , *Bull. Polish Acad. Sci.*73(3) (2009), 209-222.
- [56] G.Pantsulaia , On Liouville type theorems for generators of shy sets in the infinite-dimensional Polish topological vector space R^N , *Abstracts, stochastic analysis and random dynamics, International conference*, June 14-20, Lviv, Ukraine, 192-193 (2009).
- [57] G.Pantsulaia , On a certain criterion of shyness for subsets in the product of unimodular Polish groups that are not compact, *J. Math. Sci. Adv. Appl.*, 3 (2) (2009), 287-302
- [58] G.Pantsulaia , On Erdosh one problem for extensions of Lebesgue measures, *Hadronic J.*, Volume 32, Number4, August (2009), 425-433
- [59] G.Pantsulaia , On Planar Sets Without of Vertices of a Triangle of an Area One, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 2 (2010).
- [60] G.Pantsulaia , On a Certain Partition of the Lebesgue Null Set in \mathbb{R}^n , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 2 (2010).

[61] G.Pantsulaia , On a Certain Application of Preiss-Tiser Generators, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 2 (2010).

[62] G.Pantsulaia , On Measurability of Unions of Plane Disks , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 2 (2010).

[63] G.Pantsulaia , On a standard product of an arbitrary family of σ -finite Borel measures with domain in Polish spaces, *Theory Stoch. Process*, vol. 16(32), 2010, no 1, p.84-93. <http://tsp.imath.kiev.ua/files/214/abs11.pdf>

[64] G.Pantsulaia , On ordinary and standard products of infinite family of σ -finite measures and some of their applications, *Acta Mathematica Sinica, English Series* Jul., 2011, Vol. 27, No. 3(p.21)

[65] G.Pantsulaia , On Uniform Measures in Banach Spaces, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 3 (2010).

[66] G.Pantsulaia , Riemann Integrability and Uniform Distribution in Infinite-Dimensional Rectangles, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 3 (2010).

[67] G.Pantsulaia , On Strict Standard and Strict Ordinary Products of Measures and Some of Their Applications, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 3 (2010).

[68] G.Pantsulaia , *Generators of Shy Sets in Polish Groups*. Nova Science Publishers, Inc., New York, 2010 (ISBN: 978-1-61728-030-6)(In preparation)

[69] G.Pantsulaia , On T-shy sets in Radon metric groups, , *J. Math. Sci. Adv. Appl.* 5 (1) (2010), 149-186 .

[70] G.Pantsulaia , An expansion into infinite-dimensional multiple trigonometric series of a square integrable function in \mathbb{R}^{∞} , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 4 (2010).

[71] G.Pantsulaia , On a Riemann Integrability of functions defined on infinite-dimensional rectangles *Sokhumi state university proceedings, Mathematics and computer series*, v. 5 (2008),

[72] G.Pantsulaia , On Gaussian measures on $\mathbb{R}^{\mathbb{I}}$ and some of their applications, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 2, Issue 4 (2010).

[73] G.Pantsulaia , G.Giorgadze, ``Lebesgue "-null sets in \mathbb{R}^{∞} are not preserved under Lipschitz isomorphisms, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 3, Issue 1 (2010).

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- [75] G.Pantsulaia , G.Giorgadze, On invariant generators of shy sets for a certain nonhomogeneous stochastic differential equation in R^{∞} , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 3, Issue 1 (2010).
- [76] G.Pantsulaia , G.Giorgadze, On some applications of infinite-dimensional cellular matrices , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 3, Issue 1 (2010).
- [77] G.Pantsulaia , On singularity of non- σ -finite measures and transition kernels, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 3, Issue 1 (2010)
- [78] G.Pantsulaia , On uniformly distributed sequences of an increasing family of finite sets in infinite-dimensional rectangles, *Real Anal. Exchange*, Vol 36, No. 2. 2010
- [79] G.Pantsulaia , On uniformly distribution in infinite-dimensional rectangles, *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 3, Issue 2 (2011).
- [80] G.Pantsulaia , G.Saatashvili, On separation of the family of \mathbb{N} -powers of shift-measures in R^{∞} , *Georg. Inter. J. Sci. Tech., Nova Science Publishers*, Volume 3, Issue 2 (2011).