CURRICULUM VITAE

GAFURJAN IBRAGIMOV

PERSONAL DATA

Address	UPM, 43400, Serdang, Selangor, Malaysia
E-mail	ibragimov@upm.edu.my
Phone	+603-89466818,
Date of Birth	29.01.1962, Uzbekistan
Nationality	Uzbekistan

RESEARCH INTERESTS

1. Optimal control problems involving ordinary differential equations **(49J15).**

2. Differential games **(49N70),** Pursuit and evasion games (**49N75**), Discrete-time games **(91A50).**

3. Applications of optimal control and differential games **(49N90).**

EDUCATION AND ACADEMIC QUALIFICATION

1. **DSs degree (2007):** Doctor of Sciences in Mathematics and Physics.
   Institute of Mathematics at the National University of Uzbekistan, Uzbekistan

2. **PhD degree (1991)**: PhD in Mathematics and Physics.
   Institute of Mathematics at the National University of Uzbekistan.

3. **Bachelor and MSc (1984):** National University of Uzbekistan.

PROFESSIONAL POSITIONS

21.12.2006 - to date	**Associate Professor**.
	Department of Mathematics, Faculty of Science, Universiti Putra Malaysia (UPM).
2003 - 2006	**Head of Math Program.**
	The University of World Economy and Diplomacy (UWED). Uzbekistan.
1996 - 2006	**Associate Professor**.
	The University of World Economy and Diplomacy. Uzbekistan.
1991-1996	**Senior Lecturer**.
	National University of Uzbekistan (NUUz), Uzbekistan.
1988-1990	**Scientific Researcher**.
	Institute of Mathematics at the NUUz, Uzbekistan
1985-1988	**PhD student.**
	Institute of Mathematics at the NUUz, Uzbekistan
1984-1985	**Junior Scientific Researcher.**
	Institute of Mathematics at the NUUz, Uzbekistan

VISITING PROFESSOR

| May 2005 – Nov 2005 | INSPEM, Universiti Putra Malaysia, Malaysia |
| June 2015 – July 2015 | The University of Auckland, New Zealand |

TEACHING EXPERIENCES

Postgraduate level	MTH5602- Selected Topics in Optimal Control (at UPM) Differential Games. (at NUUz)
Undergraduate level	MTH4602-Optimal Control. (at UPM) Optimization Methods. (at NUUz)
Bachelor	MTH3301- Real Analysis, MTH3201-Linear algebra, MTH3102-Differential Equations, MTH3101-Advanced Calculus, MTH3100-Calculus, MTH3004-Introduction to Mathematics of Finance and Economics. (at UPM). Linear Programming, Convex Programming, Matrix Games. (at UWED) Differential Equations, Integral Equations. (at NUUz)

SUPRVISION

	Main supervisor		**Co-supervisor**	
PhD	Graduated	7	Graduated	13
	On-going	5	On-going	4
Master	Graduated	6	Graduated	3
	On-going	0	On-going	2

MEMBERSHIP/AFFILIATION

1. A **Fellow** of Uzbekistan Mathematical Society.
2. **Member** of the Malaysian Mathematical Society.
3. **Associate Leading Scientific Researcher**. Institute of Mathematics at the National University of Uzbekistan. (2016 - to present)
4. **Associate Researcher**. Institute for Mathematical Research, UPM. (2007- to present)
5. **Member** of the American Mathematical Society.
6. **Member of Problem Committee** of the International Simon Marais Mathematics Competition.

EDITOR/REVIEWER

1. **A Guest editor** of special issue on **"Differential Games and Discrete Dynamics in Applied Sciences"** of the journal "Discrete Dynamics in Nature and Society" **(IF2014 = 0.877)**
2. A **member of editorial board** of the journal "Nonlinear Analysis and Differential Equations".
3. A **reviewer of the journals** "Information Sciences", "Nonlinear Dynamics", "Dynamic Games and Applications", "Mathematical Modelling and Analysis", "Uzbekistan Mathematical Journal", "Annals of the International Society of Dynamic Games", "Abstract and Applied Mathematics", "Malaysian Journal of the Mathematical Sciences".
4. A **reviewer** of papers of "The International Conference ICMSS 2018", "The International Conference CODE2017", "ICWOMA 2016", "The International conference on Mathematical sciences and Statistics 2013". 5-7 February 2013**.** Kuala Lumpur; "The International Conference ICMSS 2016", January 28-29, 2016, Kuala Lumpur; "The International Conference ICREM7", August 25-27, 2015, Kuala Lumpur;

"The 5th International Conference on Mechanics, Simulation and Control (ICMSC 2015)", St Petersburg.

KEYNOTE ADDRESS/INVITED SPEAKER

- **Invited Speaker**. The international conference "Modern problems of the applied mathematics and information technology – Al Khwarizmi 2018". 13-15 September 2018, Tashkent, Uzbekistan.

- **Plenary speaker:** International Conference ICMSS2018, 6-8 Feb 2018, Putrajaya, Malaysia

- **Invited speaker**. USA-Uzbekistan Conference on Analysis and Mathematical Physics. 8-12 August 2017, Urgench, Uzbekistan.

- **Invited speaker**. The International Conference on Control, Optimization and Differential Equations (CODE2017), 18-20 January 2017, Kuala Lumpur.

- **A Series of talks** on differential games were given as a Visiting Professor at the University of Auckland, New Zealand. **(**21.06.2015–5.07.2015)

- **Invited speaker**. Workshop on Differential Games and Their Algorithmic Aspects. January 2015, UPM

- **Invited speaker**. USA-Uzbekistan Conference on Analysis and Mathematical Physics. 20-23 May 2014, California State University, Fullerton, USA.

- **Invited speaker** of the International Conference on Computer Engineering and Mathematical Sciences ICCEMS 27-28 August 2012. Kuala Lumpur, Malaysia.

- **Invited speaker**. The International Conference "Control and Optimization of Dynamical Systems-CODS-2009". 28-30 September 2009, Tashkent, Uzbekistan.

- **A Series of talks** on differential games were given as a Visiting Professor at INSPEM, University Putra Malaysia, (17.05.2005 – 18.11.2005).

RESEARCH GRANTS

2017 – 2019	Damping of several oscillated systems. (Mentor) GP-IPM, Vote No. 9567800. (**On-going**)
2017 – 2019	Evasion Differential Game with Many Pursuers versus One Evader whose Control Set is a Sector. (Project Leader) Geran Putra Berimpak. UPM/700-2/1/GPB/2017/9590200 **(On-going)**
2017 – 2019	New method of solution of pursuit and evasion differential games with many pursuers on manifolds with Euclidean metric. (Project Leader) Fundamental Research Grant Scheme (FRGS). Code Project 01-01-17-1921FR (**On-going**)
2016 – 2018	Simple Motion Evasion Differential Game with Integral Constraint of Countably Many Players in Hilbert Space. (Co-researcher). Fundamental Research Grant Scheme (FRGS). Project Code 01-01-16-1840FR
2015 – 2017	Evasion Differential Game of One Evader from Many Pursuers. Reggio Calabria (RC) Prot. N, 695/MED-2075/FC, Italy.
2015 – 2017	Quasiminimality in the calculus of Variations. (Co-researcher), Geran UPM, GP-IPM/2014/9445500, No: 9445500
2014 – 2016	Revision of Hypoid Equation for Hyphal Tip Growth. (Mentor). Geran UPM, GP-IPM 014/9428300, No. 9428300
2013 – 2015	Necessary and Sufficient Conditions for Evasion in Multiplayer Differential Game with Integral Constraints on Control Functions. (Project Leader). Fundamental Research Grant Scheme (FRGS). Project Code: 01-01-13-1228FR,

No.5524309.

2012 – 2014	Construction of Optimal Strategies for Players in Linear Pursuit and Evasion Differential Games with Integral Constraints. (Project Leader). University Grant Scheme RUGS, 05-02-12-1868RU, No. 9343800
2010-2012	Pursuit and evasion differential games described by an infinite system of differential equations of the second order. (Project Leader). University Grant Scheme RUGS, 05-04-1005RU, No. 9199614
2007-2009	Approximating the Singular Integral Equations of Cauchy Type. (Co-researcher). Fundamental Research Grant Scheme (FRGS), Project Code: 05-10-07-379FR, No.5523379
2007-2009	Control and differential game problems for an infinite system of differential equations (Project Leader). Fundamental Research Grant Scheme FRGS. Project Code: 05-10-07-376FR

AWARDS

- Excellence in Service Award. Universiti Putra Malaysia. 2017
- Excellence in Service Award. Universiti Putra Malaysia. 2015
- Excellence in Service Award. Universiti Putra Malaysia. 2014
- Excellence in Service Award. Universiti Putra Malaysia. 2013
- Excellence in Service Award. Universiti Putra Malaysia. 2012
- Research Innovation Award. INSPEM, UPM. 2017.
- Research Innovation Award. INSPEM, UPM. 2013.
- Research Innovation Award. INSPEM, UPM. 2012.
- 2 Gold and 5 Silver Medals in Exhibitions of Invention, Research and Innovation 2010 – 2016.
- Prize for young researchers of Academy of Sciences of Uzbekistan, 1985.

EXAMINER\CHAIRPERSON VIVA

- External examiner for 2 PhD and 3 MSc theses.
- Internal examiner for 18 PhD and 8 MSc theses.
- Chairperson of VIVA for 4 PhD and 1 MSc theses

SCIENTIFIC ACTIVITIES

- Workshop on "Using GeoGebra software in teaching Calculus". 20.12.2018. UPM (Chairman)
- Workshop on "Optimization Techniques and Differential Games", 20.07.2017. UPM (Chairman)
- Workshop on "Differential Games and Their Algorithmic Aspects", 20.01.2015, UPM (Chairman)
- Workshop on "Optimization techniques and their applications", 23.04.2014, UPM (Chairman)
- Weekly Seminar "Differential Games" (since 2007), INSPEM & Department of Mathematics, UPM (Organizer and Chairman)
- Lecture series on Differential Games described by infinite system of differential equations. 18 April – 17 May 2013, INSPEM, UPM (Organizer)

- Workshop on Theory of Dynamical Systems and Control Problems. 6-7 INSPEM & Department of Mathematics, March 2012 (Chairman)

PUBLICATIONS

1. **Gafurjan Ibragimov**, Idham Arif Alias, Usman Waziri, Abbas Badakaya Ja'afaru. *Differential Game of Optimal Pursuit for an Infinite System of Differential Equations.* Bulletin of the Malaysian Mathematical Sciences Society. 42(1): 391-403, 2019.   Doi: 10.1007/s40840-017-05 81-x (**IF2016= 0.720, Q2,** ISSN: 0126-6705)

2. Anvar Narzullaev, Zahriddin Muminov, **Gafurjan Ibragimov**. *Wi-Fi Signals Database Construction using Chebyshev Wavelets for Indoor Positioning Systems*. International Journal on Advanced Science, Engineering and Information Technology. 9(1): 236-241, 2019.

3. **Gafurjan Ibragimov**, Usman Waziri, Idham Arif Alias, Zarina Bibi Ibrahim. *A Guaranteed Pursuit Time in a Differential Game in Hilbert Space.* Malaysian Journal of Science. Malaysian Journal of Science, Special Issue 1, 2019, 43-54

4. Sina Zangbari Koohi, Nor Asilah Wati Binti Abdul Hamid, Mohamed Othman, and **Gafurjan Ibragimov**. *Raccoon Optimization Algorithm.* IEEE Access. 2019, https://ieeexplore.ieee.org/document/8552661, doi: 10.1109/ACCESS.2018.2882568 (**IF2017 = 3.557, Q1**, ISSN: 2169-3536).

5. Jumaklich Amanov, **Gafurjan Ibragimov,** Adem Kilicman. *On a generalization of the initial-boundary problem for the vibrating string equation.* Symmetry, *11*(1), 73; 2019, https://doi.org/10.3390/sym11010073 (**IF2017=1.256, Q2,** ISSN 2073-8994)

6. Usman Waziri, **Gafurjan Ibragimov**, Idham Arif Alias, Zarina Bibi Ibrahim. *Pursuit Game Problem of an Infinite System of Differential Equations with Geometric and Integral Constraints*. IOP Conf. Series: Journal of Physics: Conf. Series 1132 (2019) 012054, DOI: 10.1088/1742-6596/1132/1/012054

7. Asqar Rahmanov**, Gafurjan Ibragimov**, F.M. Ganiev**. *On the Linear Evasion Differential Games of Many Pursuers and One Evader with Integral Constraints.* Descendants of Mohammed Al-Khwarizmi. 2(4) 2018, pp.27-34. (ISSN: 2181-9211)

8. **Gafurjan Ibragimov**, Usman Waziri, Idham Arif Alias, Zarina Bibi Ibrahim (2018). *Pursuit Game for an Infinite System of First-Order Differential Equations with Negative Coefficients.* Differential Equations and Dynamical Systems. USUZCAMP 2017 (USA-Uzbekistan Conference on Analysis and Mathematical Physics Aug. 8-12). Springer Proceedings in Mathematics & Statistics, vol 268: 101-113, (ISSN: 2194-1009, ISBN: 978-3-030-01475-9), Springer, Cham. doi.org/10.1007/978-3-030-01476-6_8.

9. Anvarjon Ahmedov, Siti Nor Aini Mohd Aslam, and **Gafurjan Ibragimov**. *On the estimation of the eigenfunctions of biharmonic operator in closed domain.* AIP Conference Proceedings 1974, 020100 (2018); Issue 1, doi: 10.1063/1.5041631. Published by the American Institute of Physics.

10. Sina Zangbari Koohi, Nor Asilah Wati Abdul Hamid, Mohamed Othman, **Gafurjan Ibragimov**. *On Modeling Parallel Programs for Static Mapping: A Comparative Study.* Journal of Science and Technology. Vol. 26 (2): 523 – 544, 2018 (ISSN: 2229-8460)

11. **Gafurjan Ibragimov,** Massimiliano Ferrara, Atamurat Kuchkarov, and Bruno Antonio Pansera. *Simple motion evasion differential game of many pursuers and evaders with integral constraints.* Dynamic Games and Applications. (2018) 8(2): 352-378. (**IF2016= 1.647, Q2,** ISSN: 2153-0785)

12. Massimiliano Ferrara, **Gafurjan Ibragimov,** Mehdi Salimi. *Differential game of many pursuers with integral constraints on a convex set in the plane.* AAPP | Physical, Mathematical, and Natural Sciences. Vol

95, No 2, pp. A6-1-A6-6, 2017, http://dx.doi.org/10.1478/AAPP.952A6 (ISSN: 1825-1242)

13. **Gafurjan Ibragimov**, Shravan Luckraz. *On a Characterization of Evasion Strategies for Pursuit-Evasion Games on Graphs.* Journal of Optimization Theory and Applications. 175:590–596, 2017, Doi 10.1007/s10957-017-1155-7 (**IF2016 = 1.289, Q2,** ISSN 0022-3239)

14. **Gafurjan Ibragimov**, Idham Arif Alias, Sharifah Anisah Syed Mafdzot. *Evasion differential game with many pursuers versus one evader whose control set is a sector*. ScienceAsia 43 (2017): 115-122, doi: 10.2306/scienceasia1513-1874.2017.43.115 (**IF2016 = 0.343**)

15. **Gafurjan Ibragimov,** Anvarjon Akhmedov, Puteri Nur Izzati, Nur'azah Abdul Manaf. *Pursuit Differential Game Described by Infinite First Order 2-Systems of Differential Equations.* MJMS, Vol. 11, No. 2, 2017 (Scopus, ISSN: 1823-8343)

16. **Gafurjan Ibragimov**, Piriatharisini Karapanan, Idham Arif Alias. *Evasion Differential Game of Two Pursuers and One Evader with Coordinate-wise Integral Constraints*. International Journal of Pure and Applied Mathematics. Vol.114, No.4, pp. 759-770, doi: 10.12732/ijpam.v114i4.6, 2017, (Scopus, ISSN: 1311-8080).

17. **Gafurjan Ibragimov**, Askar Rakhmanov, Idham Arif Alias, Mai Zurwatul Ahlam Mohd Jaffar. *The soft landing problem for an infinite system of second order differential equations.* Numerical Algebra, Control and Optimization. 7(1): 91-96. doi:10.3934/naco.2017005, 2017. **(Scopus,** ISSN: 2155-3289**)**

18. Massimiliano Ferrara, **Gafurjan Ibragimov,** and Vincenzo Scalzo. *Differential Games and Discrete Dynamics in Applied Sciences.* Discrete Dynamics in Nature and Society. Volume 2017 (2017), Article ID 6023140, 3 p. doi.org/10.1155/2017/6023140. (**IF2015= 0.646, Q4**, ISSN: 1026-0226)

19. Idham Arif Alias, **Gafurjan Ibragimov**, Askar Rakhmonov. *Evasion Differential Game of Infinitely Many Evaders from Infinitely Many Pursuers in Hilbert Space.* Dynamic Games and Applications. 10.1007/s13235-016-0196-0, Vol. 7, pp. 347-359, 2017 (**IF2016= 1.647, Q2,** ISSN: 2153-0785).

20. **Gafurjan Ibragimov,** Risman Mat Hasim, Askar Rakhmanov, Idham Arif Alias. *Optimal pursuit time in differential game for an infinite system of differential equations*. Malaysian Journal of Mathematical Sciences 10(S) August: 267–277 (2016) Special Issue: The 7th International Conference on Research and Education in Mathematics (ICREM7). (Scopus, ISSN: 1823-8343).

21. **Trade secret: Gafurjan Ibragimov,** Anvar Narzullaev, Sofiah bt Yunus. A differential game of three coops and one robber. UPM/100-45/2 (E).

22. **Gafurjan Ibragimov,** Sofiah Yunus, Idham Arif Alias. *Effective Pursuit Strategies in Simple Motion Differential Game of Three Pursuers and One Evader.* International Journal of Pure and Applied Mathematics. Vol. 111, No. 3, 2016, pp. 409-417, doi: 10.12732/ijpam.v111i3.6, (ISSN: 1311-8080).

23. Askar Rakhmanov, **Gafurjan Ibragimov,** Massimiliano Ferrara. *Linear pursuit differential game under phase constraint on the state of evader.* Discrete Dynamics in Nature and Society. Vol. 2016 (2016), Article ID 1289456, 6 pages http://dx.doi.org/10.1155/2016/1289456 (**IF2015= 0.646, Q4**, ISSN: 1026-0226)

24. Suhada Ishak, Lee Lai Soon, **Gafurjan Ibragimov.** *Hybrid Genetic Algorithm for University Examination Timetabling Problem.* Malaysian Journal of Mathematical Science. 10(2): 145–178, 2016 (**Scopus**, ISSN: 1823-8343).

25. Idham Arif Alias, **Ibragimov G.I.**, Kuchkarov A.Sh., Sotvoldiev A. *Differential Game with Many Pursuers when Controls are Subjected to Coordinate-wise Integral Constraints.* Malaysian Journal of Mathematical Sciences. 10(2): 195–207, 2016 (Scopus, ISI, ISSN: 1823-8343)

26. Salimi M., **Ibragimov G.I.,** Siegmund S., Sharifi S. *On a fixed duration pursuit differential game with*

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geometric and integral constraints. Dynamic Games and Applications. (2016) 6:409–425, 10.1007/s13235-015-0161-3. (**IF2016= 1.647, Q2,** ISSN: 2153-0785)

27. Kuchkarov A.Sh., **Ibragimov G.I.,** Massimiliano Ferrara. *Simple motion pursuit and evasion differential games with many pursuers on manifolds with Euclidean metric.* Differential Games and Discrete Dynamics in Applied Sciences. Discrete Dynamics in Nature and Society. Vol. 2016 (2016), ID 1386242, 8 p. 10.1155/2016/1386242. (**IF2016= 0.877**, ISSN: 1026-0226)

28. Gafurjan Ibragimov, Piriatharisini Karapanan, Idham Arif Alias. *Pursuit differential game of two pursuers and one evader in R^2 with coordinate-wise integral constraints.* International Conference on Research and Education in Mathematics (ICREM7), 25 - 27 August 2015, Kuala Lumpur, Malaysia. pp. 223 – 226, IEEE Conference Publications. 10.1109/ICREM.2015.7357058, 2016

29. **Gafurjan Ibragimov**, Idham Arif Alias, Askar Rakhmonov. *Simple motion evasion differential game in Hilbert space.* Proceedings of conference on Actual Problems of Mathematics. Andijan, Uzbekistan, 20-21 May 2016, pp.26-29, Publisher: Hayat.

30. Askar Rakhmanov, **Gafurjan Ibragimov**. *A simple motion differential game with different constraints on controls and under phase constraint on the state of the evader.* DOI: 10.1063/1.4952543, Vol. 1739, Conference: Innovations through Mathematical and Statistical Research: Proceedings of the 2nd International Conference on Mathematical Sciences and Statistics (ICMSS2016) (ISBN: 978-0-7354-1396-2, (eds Chuei Yee Chen et al.) 26-28 January 2016, Kuala Lumpur, June 2016. (Book chapter)

31. Idham Arif Alias, Sharifah Anisah Syed Mafdzot , **Gafurjan Ibragimov**. *Simple Motion Evasion Differential Game of One Pursuer and One Evader.* Recent Advances in Mathematical Sciences. pp 99-107. 27 February 2016, 10.1007/978-981-10-0519-0_9, Springer Science + Business Media Singapore. (A. Kilicman at al (eds)), ISBN: 978-981-10-0517-6

32. N. Abdul Manaf, **Gafurjan Ibragimov**, M.R. Abu Bakar. *Utilization of Reproducing Kernel Hilbert Space Method on the Survival Data of Leukemia Patients*. Applied Mathematics and Statistics. Vol 53, No.6, 167-172, 2015. (ISSN: 0973-1377)

33. Idham Arif Alias, Raja Noorsuria Raja Ramli, **Gafurjan Ibragimov**, Anvar Narzullaev. *Simple Motion Pursuit Differential Game of Many Pursuers and One Evader on Convex Compact Set*. International Journal of Pure and Applied Mathematics. Vol. 102, No. 4, 2015, 733-745. Doi: 10.12732/ijpam.v102i4.11 (Scopus, ISSN: 1311-8080)

34. **Ibragimov G.I.,** Norshakila Abd Rasid, Kuchkarov A.Sh., Fudziah Ismail. *Multi Pursuer Differential Game of Optimal Approach with Integral Constraints on Controls of Players.* Taiwanese Journal of Mathematics. Vol. 19, No. 3, pp. 963-976, DOI: 10.11650/tjm.19.2015.2288, 2015 (**IF2014=0.621, Q2,** ISSN: 1027-5487)

35. **Ibragimov G.I.,** Tukhtasinov M., Risman Mat Hasim, Idham Arif Alias. *A Pursuit Problem Described by Infinite System of Differential Equations with Coordinate-wise Integral Constraints on Control Functions.* MJMS, Vol. 9, No. 1, 2015, pp. 67-76. (**Scopus,** ISSN: 1823-8343)

36. Habshah Midi, Ishaq Baba, Sohel Rana, **Gafurjan Ibragimov**. *An Alternative Approach of Dual Response Surface Optimization Based on Penalty Function Method*. Mathematical Problems of Engineering. Volume 2015 (2015), Article ID450131, 6 pages http://dx.doi.org/10.1155/2015/450131 (**IF2014=0.762, Q3,** ISSN: 1024-123X)

37. **Ibragimov G.I.,** Tukhtasinov M., Risman Mat Hasim. *Guaranteed pursuit time for a differential game described by infinite system of differential equations with geometric constraints on controls.* Research Bulletin – Math Digest. Vol.6, No.1, pp.14-17, **2014**. (ISSN: 1985-2436)

38. Asqar Rahmanov**, Gafurjan Ibragimov.** *Linear discrete pursuit game with phase constraints.* The Scientific

World Journal. Volume 2014 (**2014**), Article ID 435103, 5 p. http://dx.doi.org/10.1155/2014/435103, (**IF2013=1.219, Q1,** ISSN: 2356-6140)

39. Nur'azah bt Abdul Manaf, **Gafurjan Ibragimov**, Mohd. Rizam Abu Bakar. *Minimization of Negative Log Partial Likelihood Function Using Reproducing Kernel Hilbert Space.* Modern Applied Science. Vol. 8, No. 1, pp.140-146. **2014. (Scopus,** ISSN: 1913-1844)

40. Raxmanov A.T., **Ibragimov G.I.** *An Approach for Solving Discrete Game Problems with Total Constraints on Controls.* Abstract and Applied Analysis. Volume **2014**, Article ID 674651, 6 pages http://dx.doi.org/10.1155/2014/674651 (**IF2013=1.274, Q1,** ISSN: 1085-3375).

41. **Ibragimov G.I**., Allahabi F., Kuchkarov A.Sh. *A pursuit problem in an infinite system of second-order differential equations.* Ukrainian Mathematical Journal. Vol.65, No.8, pp.1203-1216, (**IF2013=0.212, Q4,** ISSN: 1027-3190) **2014.**

42. **Gafurjan Ibragimov,** Asqar Rahmanov, Idham Arif Alias. *Construction of Strategies of Pursuers in a Differential Game of Many Players with State and Integral Constraints.* Selected papers: International Conference on Mathematical Sciences and Statistics 2013. pp. 37-43. (ISBN 978-981-4585-32-3, ISBN 978-981-4585-33-0 (eBook)) DOI 10.1007/978-981-4585-33-0, Springer Singapore, Heidelberg, New York, Dordrecht, London. (Editors A. Kilicman et al)

43. Kuchkarov A.Sh., **Ibragimov G.I.,** Sotvoldiev A.I. *On 0-Controllability and Pursuit Problems for Linear Discrete Systems with Total Constraints on Controls.* Selected papers: International Conference on Mathematical Sciences and Statistics 2013. pp. 31-36. (ISBN 978-981-4585-32-3, ISBN 978-981-4585-33-0 (eBook)) DOI 10.1007/978-981-4585-33-0, Springer Singapore, Heidelberg, New York, Dordrecht, London. (Editors A. Kilicman et al)

44. **Ibragimov G.I**. *The optimal pursuit problem reduced to an infinite system of differential equations.* J. Appl Math Mech, Vol.77 (2013) pp. 470- 476. http://dx.doi.org/10.1016/j.jappmathmech.2013.12.002 (**IF2013=0.307, Q4,** ISSN: 0021-8928**)**

45. Tukhtasinov M., **Ibragimov G.I.,** Mamadaliev N.O. *On an invariant set in the heat conductivity problem with time lag.* Abstract and Applied Analysis. Vol 2013, Article ID 108482, 7 p. http://dx.doi.org/10.1155/2013/108482 (**IF2013=1.274, Q1,** ISSN: 1085-3375) **2013**.

46. **Ibragimov G.I**. *Solution of an Optimal Pursuit Problem for an Infinite System of Differential Equation. (Zadacha ob optimal'nom presledovanii, privodimaya k beskonechnoy sisteme differentsial'nix uravneniy).* PMM. 2013. Vol.77. Issue.5. pp. 657-666. (ISSN 0032-8235) (in Russian)

47. Yusra Salleh, **Gafurjan Ibragimov,** Asqar Rahmanov, Abduvali Khaldjigitov. *Construction the Evasion Strategy in the Differential Game of Many Pursuers and One Evader with Integral Constraints.* AIP Conf. Proc. 1557, 296 (2013); http://dx.doi.org/10.1063/1.4823923

48. **Ibragimov G.I.** *Optimal Pursuit Time for a Differential Game in the Hilbert Space l_2.* Science Asia. 39S(2013), pp. 25-30, http://dx.doi.org/10.2306/scienceasia1513-1874.2013.39S.025, (**IF2013=0.347, Q3,** ISSN: 1513-1874) **2013.**

49. Kuchkarov A.Sh., **Ibragimov G.I.**, Sotvoldiev A. *Linear discrete pursuit game problem with total constraints.* Abstract and Applied Analysis. Volume 2013 (2013), Article ID 840925, 5 pages http://dx.doi.org/10.1155/2013/840925 (**IF2013=1.274, Q1,** ISSN: 1085-3375) **2013**.

50. **Ibragimov G.I.,** Kuchkarov A.Sh. *Fixed Duration Pursuit-Evasion Differential Game with Integral Constraints.* Journal of Physics: Conference Series **435** (2013) 012017, doi:10.1088/1742-6596/435/1/012017, **2013. (Scopus,** ISSN: 1742-6588).

51. **Ibragimov G.I**., Abbas Badakaya. *On Control Problem for Infinite System of Differential Equations of*

Second Order. Malaysian Journal of Mathematical Sciences. Vol. 7, No 1, pp.97-110, **2013. (Scopus,** ISSN: 1823-8343)**.**

52. Kuchkarov A.Sh, **Ibragimov G.I.,** Khakestari M. *On a Linear Differential Game of Optimal Approach of Many Pursuers with One Evader.* Journal of Dynamical and Control Systems, **2013**, Vol.19, No.1, pp.1-15, DOI: 10.1007/s10883-013-9161-z. **(IF2012=0.577, Q4,** ISSN: 1079-2724)**.**

53. H. Eslaminosratabadi, M. Salimi, **G.I. Ibragimov**, and M. Amini. *An Evasion Game Model for Duopoly Competition.* Pertanika J. Soc. Sc. and Hum. Vol. 21 (3), p.1083-1091, **2013,** (**Scopus,** ISSN: 0128-7702). +

54. **Ibragimov G.I.,** Satimov N.Yu. *A Multiplayer Pursuit Differential Game on Closed Convex Set with Integral Constraints.* Abstract and Applied Analysis. Vol. 2012, Article ID 460171, 12 pages, **2012.** doi:10.1155/2012/460171. (**IF2013=1.274,** ISSN: 1085-3375).

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