

## Talks of György Gát

1. Approximation Theory, Kecskemét (MTA, Bolyai Társulat 1990),  
*Vilenkin-Fourier series and limit periodic arithmetic functions.*
2. Alexits Memorial Conference, Budapest (MTA Bolyai Társulat 1999),  
*On the Sunouchi operator with respect to the two-dimensional Walsh-Paley system.*
3. Approximation Theory, Pécs-Hosszúhetény (ELTE, PTE 1999),  
*Convergence and divergence properties of Vilenkin-Fourier series.*
4. Dyadic Analysis with applications and generalizations, Balatonszemes (ELTE, PTE 2003),  
*Results and conjectures with respect to the a.e. convergence of Fejér means on unbounded Vilenkin groups.*
5. Numbers, Functions, Equations, Noszvaj (KLTE, 1998),  
*Investigation of the Sunouchi operator with respect to the Walsh-Kaczmarz system.*
6. Analysis Seminar, Síkfőkút (KLTE, 2001),  
*On the maximal function of the Walsh-Kaczmarz Fejér kernels.*
7. Analysis Seminar, Síkfőkút (KLTE, 2002),  
*Lehet-e igaz a nem korlátos Vilenkin rendszerek  $(C,1)$  közepére vonatkozó Lebesgue tétel?*
8. KLTE Matematika és Informatika Intézet, meghívott intézeti szemináriumi előadó (2003),  
*Diadikus maximál magfüggvények integrálhatósága.*
9. 5th FAAT (FUNCTIONAL ANALYSIS AND APPROXIMATION THEORY)  
Conference Acquafredda di Maratea, Italy, June 16-23, 2004,  
*On almost everywhere summability of Fourier series on unbounded Vilenkin groups.*
- 10-11. Tbilisi State University - visiting professor: October, 2004,  
*Summability of integrable functions with respect to Vilenkin systems -some recent results and problems, october 21.*  
  
*Investigation of the Walsh system with the help of kernel functions, october 25.*
12. CTF - 2005 Constructive Theory of Functions - 2005  
Varna, Bulgaria, June 1-7, 2005,  
*On convergence properties of logarithmic means of Walsh-Fourier series (results and conjectures).*
13. Fourier Analysis Extremal Problems and Approximation, Second Workshop on Extremal Problems in Fourier Analysis, Budapest, Hungary (MTA Rényi Intézet), September 19-25, 2005,  
*Maximal convergence spaces of some operators related the Fourier series of two-variable functions on the Walsh group (results and problems) (invited main speaker)*

14. VIII Conferencia Internacional Sobre Aproximacion y Optimizacion en el Caribe, Santo Domingo, Republic Dominicana, Abril 3-7, 2006,  
*Convergence and divergence of some operators related the Fourier series of two-variable functions on the Walsh group*
15. MTA Budapest 2006 május 2. MTA székház nagyterem: Függvényegyenletek, harmonikus analízis, spektrálszintézis címmel tudományos ülészak,  
*Walsh-Fourier sorokkal kapcsolatos operatorok maximális konvergencia terei.*
16. International Conference in Fourier and Complex Analysis: Classical Problems-Current View (Protaras, Cyprus 06-11 May 2006),  
*Some convergence properties of the Fourier series with respect to the weighted Walsh system.*
17. New Trends and Directions in Harmonic Analysis, Approximation Theory, and Image Analysis, Inzell, Germany, September 17 – 21, 2007,  
*Restricted convergence of Fejér means of trigonometric Fourier series.*
18. Second Workshop on Extremal Problems in Fourier Analysis, Budapest, Hungary (MTA Rényi Intézet), September 18-24, 2007,  
*Convergence of Cesaro means of Fourier series (invited main speaker).*
19. Havana, Cuba, (Universidad de la Habana) 2007, october 14-25.,(invited visitor professor)  
*Convergence spaces of some summability methods of Walsh-Fourier series of two-variable functions*
20. Mathematical Inequalities and Applications 2008, Conference in honour of Prof. Josip Pečarić on the occasion of his 60th birthday, Trogir - Split, Croatia,  
*Maximal convergerence spaces of  $(C, a)$  summability methods of trigonometric and Walsh series.*
21. Discrete Analysis and applications (Walsh-Fourier Series, Complexity-Cryptography) 27-29 September 2008, Thessaloniki, Greece,  
*Convergence and divergence of Fejér means of Fourier series on one and two-dimensional Walsh and Vilenkin groups.*
- 22 Workshop on digital image processing, May 27, 2008, Nyíregyháza,  
*Summability of Walsh-Fourier series.*
23. Enlarged Session of the Seminar of I. Vekua Institute of Applied Mathematics, Tbilisi, Georgia, June, 2008,  
*Convergence and divergence of sequence of operators with respect to the two-dimensional Walsh system.*
24. Tbilisi State University, Tbilisi, Georgia, 2009 may 21, (invited visitor),  
*Convergence and divergence properties of Fejér means of Fourier series of functions on one and more-dimensional Walsh and Vilenkin groups.*

25. Sorok, Függvények, véletlen változók, operátorok, Szeged, 2009. május 29-30, Móricz Ferenc professzor 70. születésnapja alkalmából. (meghívott előadó),  
*Logarithmic and Nörlund logarithmic means of Walsh and Vilenkin Fourier series*
26. Workshop on Dyadic Analysis and Related Areas with Applications, 2009. június 7-10, Dobogókő,  
*Some convergence and divergence results with respect to summation of Fourier series on one and two-dimensional unbounded Vilenkin groups.*
27. Budapest, Hungary, 2009, September 17-22, (Mathematical Research Institute of the Hungarian Academy of Sciences) 3rd Workshop in Fourier Analysis and Related Fields, (invited main speaker),  
*One and two dimensional Fejér means on the Walsh and Vilenkin groups.*
28. 6th International Conference on Functional Analysis and Approximation Theory FAAT 2009 Acquafredda di Maratea, September 24 - 30, 2009,  
*Approximation properties of one and two dimensional Fejér and Marcinkiewicz means of Fourier series with respect to Walsh and Vilenkin systems.*
- 29-30. Benemérita Universidad Autónoma de Puebla, Mexico, February, 19 – March 3, 2010, Invited visiting professor,  
*Investigation of the Walsh system (minicourse for PhD students),  
Some convergence properties of the Fejér means on the Walsh and Vilenkin groups.*
31. 2011, EUROCAST 2011: 13th International Conference on Computer Aided Systems Theory, Las Palmas, Gran Canaria, February 06-11, 2011,  
*Reconstruction of functions via Walsh-Fourier coefficients.*
32. Constructive Theory of Functions – 2013, Sozopol, June 9-15, 2013,  
*Subsequences of partial sums of one and two-dimensional Walsh-Fourier series.*
33. Budapest, 4th Workshop on Fourier Analysis and Related Fields  
26-30 August, 2013, Budapest, Rényi Institute, MTA,  
*Summation of one and two-dimensional Walsh-Fourier series.*
34. Conference on dyadic analysis and applications, Nyíregyháza, Hungary, 2013, Oct., 1-2,  
*Fejér (and other) means of Walsh and Vilenkin-Fourier series.*
35. International Conference on Fourier Analysis and Approximation Theory, dedicated to the 80th birthday of Academician Levan Zhizhiashvili, Bazaleti, Georgia, Oct., 23-28, 2013,  
*Summation of Walsh-Fourier series, convergence and divergence.*
36. Western Spring Sectional Meeting University of New Mexico, Albuquerque, NM, April 4-6, 2014, USA,  
*Almost everywhere summability of Walsh Fourier series.*

37. Conf. on Dyadic Analysis and Related Fields with Applications, Nyíregyháza, Hungary, College of Nyiregyhaza, Hungary, June 2nd-5th, 2014,  
*Summation methods of Walsh-Fourier series, almost everywhere convergence and divergence.*
38. University of Nis, Faculty of Electronic Engineering, Nis, Serbia, Sept 8-11, 2014,  
Invited joint talk with R. Toledo,  
*Numerical solution of differential equations with Walsh polynomials.*
39. Georgian-Hungarian joint workshop on Dyadic Analysis and Related Fields, May 30-June 05, 2015, Nyíregyháza, Hungary,  
*The weighted Walsh system and other stuff.*
40. 5th Workshop on Fourier Analysis and Related Fields, Budapest, Hungary, 24-28 August, 2015, *Convergence of Fourier series with respect to the weighted Walsh system.*
41. 2015. november 20, „A Walsh-rendszer kutatásának története a Nyíregyházi Főiskolán”
42. 16th Debrecen-Katowice Winter Seminar on Functional Equations and Inequalities  
Hernádvécse, Hungary, January 27–30, 2016, *Summability of one and two dimensional Walsh-Fourier series, convergence and divergence, some recent results*
43. 12th International Students Conference on Analysis, January 30 – February 2, Síkfőkút,  
*Some results and problems in dyadic harmonic analysis*
44. CIA 2016, Conference on Inequalities and Applications, Hajduszoboszló (Hungary),  
August 28 – September 3, 2016, *Marcinkiewicz and triangular Fejér means of Walsh-Fourier series*
45. 17th Katowice-Debrecen Winter Seminar on Functional Equations and Inequalities  
Zakopane, Poland, February 1-4, 2017, *Subsequences of partial sums of trigonometric Fourier series, Zygmunt Zalcwasser's problem*
46. Invited talk, Kutaisi University, May 2, 2017, *Some recent results in the theory of Walsh-Fourier series*
- 47 Invited talk, Tbilisi State University, May 5, 2017, *Fejér and other summation of Walsh-Fourier series*

Debrecen, May 21, 2017

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