



György Tóth

Date of birth: 27/03/1998 | **Nationality:** Hungarian | **Gender:** Male | **Email address:** gyorgy.totos@ubbcluj.ro

ABOUT ME

Currently I am a 3rd year PhD student under the supervision of professor András Némethi and Tamás László studying normal surface singularities. More specifically my PhD studies are based on the polynomial part and periodic constants of analytic and topological Poincaré series. During the PhD program I participated in many conferences, in some of which I talked about my research in poster sessions.

Alongside my PhD studies I teach problem sessions at Babeş-Bolyai University, mainly in ordinary differential equations, and partial differential equations.

EDUCATION AND TRAINING

01/10/2017 – 30/09/2020 Cluj-Napoca, Romania

BACHELOR'S DEGREE Babeş-Bolyai University

Address Mihail Kogălniceanu street, 1, Cluj-Napoca, Romania | **Website** <https://www.ubbcluj.ro/> | **Field of study** Mathematics |

Final grade 10 | **Level in EQF** EQF level 6 | **Type of credits** ECTS/SECT | **Number of credits** 180 |

Thesis Generalizations of Cesàro-Stolz lemma

01/10/2020 – 31/07/2022 Romania

MASTER'S DEGREE Babeş-Bolyai University

Address Mihail Kogălniceanu street, 1, Romania | **Field of study** Mathematics | **Final grade** 10 | **Type of credits** ECTS |

Number of credits 120 | **Thesis** Ulam-Hyers stability on unbounded intervals

LANGUAGE SKILLS

Mother tongue(s): **HUNGARIAN**

Other language(s): **ROMANIAN**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

2024

[Characterization of Ulam-Hyers stability of linear differential equations with periodic coefficients](#)

Authors: Adriana Buică, Tóth György. Journal of Mathematical Analysis and Applications, volume 530.

2024

[Multiplicative complements, II.](#)

Authors: Anett Kocsis, Dávid Matolcsi, Csaba Sándor, Tóth György. Journal of Number theory, volume 265, pages 1-19

2025

[Surgery formula for the polynomial part of Poincaré series: integral homology sphere links](#)

manuscript in preparation

2025

Recursivity of the polynomial part of Poincaré series associated with normal surface singularities

manuscript in preparation

● **CONFERENCES AND SEMINARS**

20/01/2023 – 27/01/2023 Budapest, Hungary

Winter school in singularities and low-dimensional topology

Link <https://erdoscenter.renyi.hu/events/winter-school-singularities-and-low-dimensional-topology>

06/03/2023 – 26/05/2023 Bologna, Italy

Quiver Representations, Quiver Varieties and Combinatorics

BIP Blended Intensive Programn. The courses leading up to the summer school part were held virtually. While the summer school itself was held in physicaly.

Link <https://eventi.unibo.it/bip-quiver>

31/10/2023 – 02/11/2023 Cluj-Napoca, Romania

1st Budapest - Cluj Meeting in Singularities and Beyond

Link <https://math.ubbcluj.ro/~laszlo.tamas/budcjsing.html>

21/07/2024 – 26/07/2024 Valencia, Spain

18th International Workshop on Real and Complex Singularities

Participated in the conference and presented my research in the poster sessieion.

Link http://worksing.icmc.usp.br/main_site/2024/

09/09/2024 – 13/09/2024 Constanta, Romania

Topology and Algebra of Singularities and their Applications

Attended the reseach school and presented my research in the poster session. Also attended the preschool for this, held in București between 26 and 30 May.

Link <https://sites.google.com/view/singularities-appl3/accueil>

25/11/2024 – 25/11/2024 Madrid, Spain

IberoSing International Workshop 2024: Low-dimensional Topology & Singularity Theory

Link <https://eventos.upm.es/116749/detail/iberosing-international-workshop-2024.html>