



Diploma Supplement

Holder of the information

Gergely Kál Csáji

Issued by

Eötvös Loránd University

Faculty of Science

The number of pages containing personal data in this document: 10

Institutional data: {82DA9199-B058-45FD-816E-E204D8DA27CE}

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

- 1.0. *Diploma identification number or code:* ELTE-TTK-1204/2022 *year:* 2022
- 1.1. *Family name:* Csáji
- 1.2. *Given name(s):* Gergely Kál
- 1.3. *Date of birth (day/month/year):* 21/12/1998 *Place of birth:* Budapest *Country of birth:* Hungary *Mother's name:* Ildikó Judit Tamás
- 1.4. *Education ID:* 79058856802 *More identification:* RU5HZ5
- 1.5. *Student registration code:* T163474/F180798
- Study started in* 2020-2021-1 *Study finished in* 2021-2022-2
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2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1. *Title of qualification conferred:* Mathematician
- 2.2. *Main field(s) of study for the qualification:* Mathematics
- 2.3. *Name of awarding institution:* Eötvös Loránd University (F180798), Faculty of Science
Status of awarding institution: university *Maintainer:* Hungary
Professional accreditation body by Hungarian Accreditation Board
- 2.4. *Name of institution administering studies:*
Eötvös Loránd University (F180798), university
- 2.5. *Language of instruction:* Hungarian
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3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1. *Level of qualification:* MA/MSc, ISCED 5A, EQF Level 7
- 3.2. *Official length of programme in semesters:* 4 semesters
Official length of programme in years: 2 years
- 3.3. *Access requirement(s):* ISCED 5A
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4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1. *Academic Programme requirements:*
- 4.1.1. *Identification number of Law on Qualification Requirements of Academic Programme:*
Gov. Decree 289/2005.
- 4.1.2. *Education goals:*
MSc in Mathematics training program
- 4.1.3. *Credits to achieve:* 120
- 4.1.4. *System of grading:*
examinations, thesis (degree paper), state examination

Gergely Kál Csáji (RU5HZ5)
79058856802

3

4.2. List of subjects / marks / credits:

Legend of the units displayed next to the number of hours taught: s - per semester; w - per week

Waived subjects

Credits recognised from earlier or ongoing degree studies					
Subject	Code	Hours	Grade type	Credit	Grade
Differential geometry2 (l)-m	sokas_1m0_m17ex	-	exam	3	5
Differential geometry 2 (p)-m	sokas_1m0_m17gx	-	term mark	3	5

Completed subjects

Semester: 2020-2021-1, Credits: 32					
Subject	Code	Hours	Grade type	Credit	Grade
Algorithms (l)	algeom1u0um17em	2/w	exam	3	5
Algorithms (p)	algeom1u0um17gm	2/w	term mark	3	5
Complexity theory (l)	bonyel1u0um17em	2/w	exam	3	5
Complexity theory (p)	bonyel1u0um17gm	2/w	term mark	3	5
Discrete mathematics (l)	dimatel1u0um17em	2/w	exam	3	5
Discrete mathematics (p)	dimatel1u0um17gm	2/w	term mark	3	5
Directed studies 1 (p)	egykut1u0um17gm	2/w	term mark	3	Exc
Game theory (l)	jatekel1u0um17em	2/w	exam	3	5
Codes and symmetric structures (l)	kodszil1u0um17em	2/w	exam	3	5
Combinatorial geometry (l)	kombgel1u0um17em	2/w	exam	3	5
Combinatorial geometry (p)	kombgel1u0um17gm	1/w	term mark	2	5
Semester: 2020-2021-2, Credits: 43					
Subject	Code	Hours	Grade type	Credit	Grade
Algebraic geometry (l)	alggeol1u0um17em	2/w	exam	3	5

{82DA9199-B058-45FD-816E-E204D8DA27CE}

Algebraic geometry (p)	alggeo1u0um17gm	2/w	term mark	3	5
Introduction to information theory (l)	bevinflu0um17em	2/w	exam	3	5
Complexity theory seminar	bonyz1u0um20sm	2/w	C/D type exam	2	5
Dynamical systems and differential equations 1 (l)	dindiflu0um17em	2/w	exam	3	5
Dynamical systems and differential equations 1 (p)	dindiflu0um17gm	2/w	term mark	3	5
Directed studies 2 (p)	egykt2u0um17gm	2/w	term mark	3	Exc
Game Theory II	jateke2u0um17em	2/w	exam	3	5
Combinatorial convex geometry (l)	kokong1u0um17em	2/w	exam	3	5
Combinatorial convex geometry (p)	kokong1u0um17gm	1/w	term mark	2	5
Criptology (l)	kriptl1u0um17em	2/w	exam	3	5
Criptology (p)	kriptl1u0um17gm	2/w	term mark	3	5
Polyhedral combinatorics (l)	polkom1u0um17em	2/w	exam	3	5
Computational number theory (l)	szgelml1u0um17em	2/w	exam	3	5
Finite geometries (l)	veggeo1u0um17em	2/w	exam	3	5

Semester: 2021-2022-1, Credits: 33

<u>Subject</u>	<u>Code</u>	<u>Hours</u>	<u>Grade type</u>	<u>Credit</u>	<u>Grade</u>
Markov chains in discrete and continuous time (l)	difoml1u0um17em	2/w	exam	3	5
MSc thesis seminar 1	diplom1u0um17dm	1/w	term mark	5	5
Discrete optimization (p)	doptim1u0um17gm	2/w	term mark	3	5
Discrete optimization (l)	doptim1u0um20em	2/w	exam	3	5
Continuous optimization (p)	foptim1u0um17gm	2/w	term mark	3	5
Continuous optimization (l)	foptim1u0um20em	2/w	exam	3	5
Combinatorial algorithms 1 (l)	kombal1u0um17em	2/w	exam	3	5
Combinatorial algorithms 1 (p)	kombal1u0um17gm	2/w	term mark	3	5

Gergely Kál Csáji (RU5HZ5)
79058856802

5

Quantum Computing	qtcomplu0_m2lvx	2/1/w	exam	4	5
Scheduling theory (I)	utemellu0um17em	2/w	exam	3	5
Semester: 2021-2022-2, Credits: 27					
Subject	Code	Hours	Grade type	Credit	Grade
Approximation algorithms (I)	appalg1u0um17em	2/w	exam	3	5
MSc thesis seminar 2	diplom2u0mm17dm	1/w	term mark	15	5
Integer programming 1 (I)	egertp1u0um17em	2/w	exam	3	5
Graph theory (I)	grafellu0um17em	2/w	exam	3	5
Matroid theory (I)	matroi1u0um17em	2/w	exam	3	5
Other results					
Subject	Code	Hours	Grade type	Credit	Grade
Final examination	-	-	-	-	5
Subject	Credit	Result of degree thesis defence		Grade	
Thesis	-	5		5	

Sum of credit points contained in the transcript of records: 141

Overall classification of the thesis: 5

{82DA9199-B058-45FD-816E-E204D8DA27CE}

7. CERTIFICATION OF THE DOCUMENT

Date: 22/06/2022



T. L. Csáji

Gabriella Török

Head of Bureau of Education