# **CURRICULUM VITAE**

Full name:	Konstantinos Kofinas
e-mail:	kkofinas@aegean,gr, kkofinas@hotmail.com
Position:	Assistant Professor, University of the Aegean,
	Department of Mathematics

**FIELD OF RESEARCH**: Combinational Group Theory, Groups of automorphisms of relatively free groups and Lie algebras, Groups and Lie algebras.

# EDUCATION

01.2005- 06.2009	Faculty of Sciences, Department of Mathematics, Aristotle University of Thessaloniki, Ph.D. diploma (thesis title: Theory of Groups and Lie Algebras, Thesis Advisor: A. I. Papistas), grade: excellent.
10.2002 - 09.2004	Faculty of Sciences, Department of Mathematics, Aristotle University of Thessaloniki, M.Sc. in Pure Mathematics (M.Sc. thesis title: Free polynilpotent groups), grade: 8.9 (excellent).
10.1998- 06.2002	Faculty of Sciences, Department of Mathematics, Aristotle University of Thessaloniki, Greece, Degree in Mathematics, grade: 9.3 (excellent).

CURRENT POSITION	
2020-	Assistant Professor
	Faculty of Sciences, Department of Mathematics, University
	of the Aegean

PREVIOUS POSITIONS	
03.2018 - 09.2019	Visiting Assistant Professor Department of Mathematics, Faculty of Sciences, AUTH, Greece.
02.2017 - 09.2017	Visiting Assistant Professor Department of Mathematics, Faculty of Sciences, AUTH, Greece.
02.2016 - 05.2016	Visiting Assistant Professor Non-Commissioned Officers Army Academy, Greece.
02.2015 - 05.2015	Visiting Assistant Professor Non-Commissioned Officers Army Academy, Greece.

02.2014 - 05.2014	Visiting Assistant Professor Non-Commissioned Officers Army Academy, Greece.
02.2013 - 05.2013	Visiting Assistant Professor Non-Commissioned Officers Army Academy, Greece.
01.2013 - 12.2014	Postdoctoral researcher Research assistant of Department of Mathematics, Faculty of Sciences, AUTH, Greece.
03.2012 - 05.2012	Visiting Assistant Professor Department of Mathematics, Faculty of Sciences, AUTH, Greece.
02.2009 - 06.2009	Teaching assistant Department of Mathematics, Faculty of Sciences, AUTH, Greece.

## **TEACHING ACTIVITIES**

spring 2024	Teaching of the courses "Algebra" (undergraduate) and "Lie groups and Lie algebras" (graduate, co-teaching with V. Metaftsis), ), Department of Mathematics, University of the Aegean, Greece.
spring 2023	Teaching of the course "Galois Theory" (undergraduate) and "Topics in Algebra" (undergraduate), Department of Mathematics, University of the Aegean, Greece.
fall 2022	Teaching of the course "Infinitesimal Calculus I" (undergraduate), Department of Mathematics, University of the Aegean, Greece.
spring 2022	Teaching of the course "Galois Theory" (undergraduate) and "Topics in Algebra" (undergraduate), Department of Mathematics, University of the Aegean, Greece.
fall 2021	Teaching of the course "Number Theory" (undergraduate) and "Group Theory" (graduate), Department of Mathematics, University of the Aegean, Greece.
spring 2021	Teaching of the courses "Algebra" (undergraduate, co-teaching with V. Metaftsis) and "Galois Theory" (undergraduate), Department of Mathematics, University of the Aegean, Greece.
fall 2020	Teaching of the course "Infinitesimal Calculus I" (undergraduate), Department of Mathematics, University of the Aegean, Greece.
spring 2019	Teaching of the course "Galois Theory", Department of Mathematics, AUTH, Greece.
fall 2018	Teaching of the course "Computational methods in algebra and algebraic geometry", Department of Mathematics, AUTH, Greece.
spring 2018	Teaching of the course "Galois Theory", Department of Mathematics, AUTH, Greece.
spring 2017	Teaching of the course "Group Theory", Department of Mathematics, AUTH, Greece.

spring 2016	Teaching of the course "Higher Mathematics", Non-Commissioned Officers Army Academy, Greece.
spring 2015	Teaching of the course "Higher Mathematics", Non-Commissioned Officers Army Academy, Greece.
spring 2014	Teaching of the course "Higher Mathematics", Non-Commissioned Officers Army Academy, Greece.
spring 2013	Teaching of the course "Higher Mathematics", Non-Commissioned Officers Army Academy, Greece.
spring 2012	Teaching of the courses "Linear Algebra II" and "Algebraic Structures II", Department of Mathematics, AUTH, Greece.

### PUBLICATIONS

1. C. E. Kofinas and A. I. Papistas, Automorphisms of relatively free nilpotent Lie algebras, Comm. Algebra 38 (2010), 1575-1593.

2. C. E. Kofinas, V. Metaftsis and A. I. Papistas, Relatively free torsion-free nilpotent groups and their Lie algebras, Comm. Algebra 39 (2011), 843 - 880.

3. C. E. Kofinas and A. I. Papistas, On Automorphisms of free centre-by-metabelian Lie algebras, Quart. J. Math. 66 (2) (2015), 625-643.

4. C. E. Kofinas, and A. I. Papistas, Automorphisms of free metabelian Lie algebras, Internat. J. Algebra Comput. 26 (4) (2016), 751-762.

5. C. E. Kofinas and A. I. Papistas, On automorphisms of free centre-by-metabelian and nilpotent groups and Lie algebras, J. Algebra Appl. 17 (4) (2018) doi: 10.1142/S0219498818500779.

6. C. E. Kofinas, On the automorphisms of the completion of relatively free Lie algebras, Internat. J. Algebra Comput. 28(6) (2018), 1091-1100.

7. C. E. Kofinas, V. Metaftsis and A. I. Papistas, IA-automorphisms and Lie Algebras related to the McCool group, IA-automorphisms and Lie Algebras related to the McCool group}, J. Algebra 542 (2020), 162-189.

8. C. E. Kofinas, On certain subgroups of the McCool group, Internat. J. Algebra Comput. 30(5) (2020), 1081-1096.

9. C. E. Kofinas, IA-automorphisms of relatively free nilpotent torsion-free groups and Lie algebras, Comm. Algebra, 48(12) (2020), 5224-5235.

10. C. E. Kofinas, Automorphisms of free center-by-metabelian groups of small rank, Arch. Math. 119 (2022), 337–350.

11. C. E. Kofinas, V. Metaftsis and A. I. Papistas, Baumslag-Solitar groups and residual nilpotence, Proceedings of the Edinburgh Mathematical Society, 66(2) (2023), 532-547.

12. C. E. Kofinas, Symmetric polynomials in free centre-by-metabelian Lie algebras of rank 2, Internat. J. Algebra Comput. 34(1) (2024), 1-21.

13. C. E. Kofinas, Automorphisms in certain nilpotent-by-abelian varieties of groups, Mediterr. J. Math., 21 75 (2024).

14. C. E. Kofinas and A. I. Papistas, On automorphisms of certain free nilpotent-by-abelian Lie algebras, Internat. J. Algebra Comput. 34(2) (2024), 251-281.

#### PREPRINTS

15. C. E. Kofinas and A. I. Papistas, Quotient groups of IA-automorphisms of free metabelian groups, submitted, https://arxiv.org/ftp/arxiv/papers/2012/2012.13286.pdf.

#### FOREIGN LANGUAGES

ENGLISH: excellent knowledge (Proficiency of Michigan)

GERMAN: average knowledge (Zertifikat Deutsch).

#### HONORS AND AWARDS

1999:	Award from the Hellenic National Scholarship Foundation (IKY) for grade achieved in the national examinations
1999 – 2003:	Award from IKY for excellent performance in graduate studies
2003 – 2004:	Award from IKY for excellent performance in studies for M.Sc.
2004 – 2009:	Scholarship from I.K.Y for postgraduate studies in Greece
2013:	Scholarship from AUTh for postdoctoral research in the Department of Mathematics
2014:	Scholarship from AUTh for postdoctoral research in the Department of Mathematics
1994 – 1995:	Discrimination in competition "Thales" of the Hellenic Mathematical Society (HMS)
1996 – 1997:	Discrimination in competitions "Thales" and "Eukleides" of HMS
1997 – 1998:	Discrimination in competitions "Thales", "Eukleides" and "Archimedes" of HMS and attendance at the 1st Mediterranean Mathematical Competition

#### CONFERENCES

- 6th Pan-Hellenic Conference of Algebra and Theory of Numbers, June 10 - 11, 2006, Thessaloniki.

- 7th Pan-Hellenic Conference of Algebra and Theory of Numbers, Karlovasi, 31 May – 3 June 2007.

- 12th Pan-Hellenic Conference of Analysis, Athens, 15-17 May, 2008.

- Lecture in the Seminar of Department of Mathematics, Faculty of Sciences, AUTH at 28 – 05 – 2009.

- Pan-Hellenic Conference of Algebra, Thessaloniki 2 – 3 May 2014.

- Lecture in the Seminar of Department of Mathematics, Faculty of Sciences, AUTH at 20 - 12 - 2022.

- 9th Pan-Hellenic Conference of Algebra and Theory of Numbers, May 12 – 13, 2023, Thessaloniki.

- Co-organizer of summer school «Festum  $\pi$  2023», Samos, August 18 – 28, 2023.