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Auf der Morgenstelle 10,
72076 Tübingen, Germany

CONTACT INFORMATION	E-mail: kyriakos.destounis@uni-tuebingen.de Phone: +49 07071-29 720 43	
EDUCATION	PhD. in Physics, Instituto Superior Técnico, Portugal Thesis: “Dynamical behavior of black-hole spacetimes” Supervisors: Prof. Vitor Cardoso, Assoc. Prof. João Costa	2016-2019
	MSc. in Theoretical Physics, National Technical University of Athens, Greece Thesis: “Gravitational collapse of matter in McVittie spacetime” Supervisor: Prof. Eleftherios Papantonopoulos	2014-2016
	MSc. in Nanotechnology, National Technical University of Athens, Greece Thesis: “Topological insulator interfaces with charge, spin and superconducting states” Supervisor: Prof. Georgios Varelogiannis	2012-2015
	BSc. in Informatics, University of Piraeus, Greece Thesis: “Chaos in nonlinear dynamical systems” Supervisor: Prof. Aristeidis Sapounakis	2006-2012
EMPLOYMENT	Post-Doc Researcher — Teaching Assistant, Universität Tübingen, Germany Theoretical Astrophysics Group Employer: Prof. Kostas Kokkotas	2019-
TEACHING EXPERIENCE	Teaching Assistant at Universität Tübingen, Germany	2019-
	<ul style="list-style-type: none"> • BSc. courses: Electrodynamics, Classical Field Theory • BSc./MSc. courses: Introduction to General Relativity, Relativistic Astrophysics and Experimental Gravitation 	
	Co-supervisor of 4 Master student theses at Universität Tübingen, Germany	2020-
ACADEMIC ACTIVITIES	Universität Tübingen, Germany Einstein seminar co-organizer at the Theoretical Astrophysics Group	2020-
	Universität Tübingen, Germany Group meeting co-organizer at the Theoretical Astrophysics Group	2020-
	Instituto Superior Técnico, Portugal Group meeting co-organizer at the Gravitation in Técnico (GRIT) group	2017-2018
	Academic Referee (> 30 articles) Referee for Cambridge University Press, Springer Publishing, Physical Review Letters (PRL), Physical Review D (PRD), Journal of High Energy Physics (JHEP), Journal for Cosmological and Astroparticle Physics (JCAP), The Astrophysical Journal (ApJ), Classical and Quantum Gravity (CQG), General Relativity and Gravitation (GERG), International Journal of Modern Physics D (IJMPD) and more	2018-
ORGANIZATION COMMITTEES	<ul style="list-style-type: none"> • Eleventh Aegean Summer School, <i>Recent Developments in theory and observations in gravity and cosmology</i>, Syros, Greece, 5-15 September, 2022 	

**INVITED
SPEAKER IN
SEMINARS,
COLLOQUIA &
CONFERENCES**

- “Pseudospectrum of black holes and compact objects”, 11th Aegean Summer School, Syros, Greece, 10 September 2022
- “Gravitational-wave astrophysics with the Laser Interferometer Space Antenna”, Astrophysics Colloquium, Universität Tübingen, Germany, 13 June 2022
- “Pseudospectrum of black holes and compact objects”, Centro Brasileiro de Pesquisas Físicas – CBPF, Rio de Janeiro, Brazil, 29 March 2022
- “Pseudospectrum of black holes and compact objects”, Perimeter Institute for Theoretical Physics, Canada (online), 3 February 2022
- “Gravitational-wave imprints of non-integrable extreme-mass-ratio inspirals”, Center for Astrophysics and Gravitation (CENTRA), Instituto Superior Técnico, Portugal (online), 8 June 2021
- “Gravitational-wave imprints of non-integrable extreme-mass-ratio inspirals”, Gr@v group, University of Aveiro, Portugal (online), 2 June 2021
- “Strong cosmic censorship in charged black-hole spacetimes”, Department of Applied Mathematics and Theoretical Physics (DAMPT), University of Cambridge, England, 24 May 2019
- “Strong cosmic censorship in charged black-hole spacetimes”, Max-Planck Institute for Gravitational Physics, Hannover, Germany, 16 May 2019
- “Strong cosmic censorship in charged black-hole spacetimes”, Theoretical Astrophysics Group, Universität Tübingen, Germany, 11 April 2019
- “Strong cosmic censorship in charged black-hole spacetimes”, Institute of Theoretical Physics, Charles University, Prague, Czech Republic, 12 March 2019
- “Quasinormal modes and strong cosmic censorship”, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece, 4 January 2018
- “Pseudospectrum of black holes”, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece, 19 April 2017

**CONTRIBUTED
TALKS**

- “Gravitational-wave imprints of non-integrable extreme-mass-ratio inspirals”, LISA Symposium 14, (online, pre-recorded talk), 25-28 July 2022
- “Gravitational-wave imprints of non-integrable extreme-mass-ratio inspirals”, 23rd International Conference on General Relativity and Gravitation, Beijing, China (online), 6 July 2022
- “Pseudospectrum of black holes and compact objects”, 23rd International Conference on General Relativity and Gravitation, Beijing, China (online), 5 July 2022
- “Pseudospectrum of black holes and compact objects”, EuCAPT: Gravitational wave probes of black hole environments, Rome, Italy, 16 June 2022
- “Gravitational-wave imprints of non-integrable extreme-mass-ratio inspirals”, Spanish Portuguese Relativity Meeting—EREP 2021, Aveiro, Portugal (online), 13 September 2021
- “Gravitational-wave signatures of non-integrable extreme-mass-ratio inspirals”, European Physics Society on high energy physics conference (online), 28 July 2021
- “Gravitational-wave imprints of non-integrable extreme-mass-ratio inspirals”, 24th Capra meeting on Radiation Reaction in General Relativity, Perimeter Institute for Theoretical Physics, Canada (online), 8 June 2021
- “Strong cosmic censorship with a positive cosmological constant”, DAAD meeting: Neutron stars in the GW era, Universität Tübingen, Germany, 15 November 2019
- “Strong cosmic censorship in charged black-hole spacetimes”, 22nd International Conference on General Relativity and Gravitation, Valencia, Spain, 10 July 2019
- “Strong cosmic censorship in charged black-hole spacetimes”, COST Action 2019: Gravitational Waves, Black Holes and Fundamental Physics, Athens, Greece, 24 January 2019
- “Strong cosmic censorship in charged black-hole spacetimes”, XI Black Holes Workshop, Lisbon, Portugal, 17 December 2018

- “Quasinormal modes and strong cosmic censorship”, X Black Holes Workshop, Aveiro, Portugal, 19 December 2017

**PUBLICATIONS
& PREPRINTS
INSPIRE-HEP**

- [1] **Kyriakos Destounis**, Giacomo Mascher, and Kostas D. Kokkotas. Dynamical behavior of the C -metric: Charged scalar fields, quasinormal modes, and superradiance. *Phys.Rev.D* **105** (2022) *12*, 124058.
- [2] Giacomo Mascher, **Kyriakos Destounis**, and Kostas D. Kokkotas. Charged black holes in de Sitter space: superradiant amplification of charged scalar waves and resonant hyperradiation. 4 2022. *Phys.Rev.D* **105** (2022) *8*, 084052.
- [3] H. S. Vieira, **Kyriakos Destounis**, and Kostas D. Kokkotas. Slowly-rotating curved acoustic black holes: Quasinormal modes, Hawking-Unruh radiation, and quasibound states. *Phys.Rev.D* **105** (2022) *4*, 045015.
- [4] Mark Ho-Yeuk Cheung, **Kyriakos Destounis**, Rodrigo Panosso Macedo, Emanuele Berti, and Vitor Cardoso. Destabilizing the Fundamental Mode of Black Holes: The Elephant and the Flea. *Phys.Rev.Lett.* **128** (2022) *11*, 111103.
- [5] Vitor Cardoso, **Kyriakos Destounis**, Francisco Duque, Rodrigo Panosso Macedo, and Andrea Maselli. Black holes in galaxies: Environmental impact on gravitational-wave generation and propagation. *Phys.Rev.D* **105** (2022) *6*, L061501.
- [6] Nikos Chatzifotis and **Kyriakos Destounis** Papantonopoulos Eleftherios Vlachos, Christoforos and. Stability of black holes with non-minimally coupled scalar hair to the Einstein tensor. *Gen. Rel. Grav.* **54** (2022) *49*.
- [7] **Kyriakos Destounis** and Kostas D. Kokkotas. Gravitational-wave glitches: Resonant islands and frequency jumps in nonintegrable extreme-mass-ratio inspirals. *Phys. Rev. D* **104** (2021) *6*, 064023.
- [8] **Kyriakos Destounis**, Rodrigo Panosso Macedo, Emanuele Berti, Vitor Cardoso, and José Luis Jaramillo. Pseudospectrum of Reissner-Nordström black holes: quasinormal mode instability and universality. *Phys. Rev. D* **104**, 084091 (2021).
- [9] **Kyriakos Destounis**, Arthur G. Suvorov, and Kostas D. Kokkotas. Gravitational-wave glitches in chaotic extreme-mass-ratio inspirals. *Phys. Rev. Lett.* **126** (2021) *14*, 141102.
- [10] Christoforos Vlachos, Eleftherios Papantonopoulos, and **Kyriakos Destounis**. Echoes of Compact Objects in Scalar-Tensor Theories of Gravity. *Phys. Rev. D* **103** (2021) *4*, 044042.
- [11] **Kyriakos Destounis**, Arthur G. Suvorov, and Kostas D. Kokkotas. Testing spacetime symmetry through gravitational waves from extreme-mass-ratio inspirals. *Phys. Rev. D* **102** (2020) *6*, 064041.
- [12] **Kyriakos Destounis**, Rodrigo D. B. Fontana, and Filipe C. Mena. Stability of the Cauchy horizon in accelerating black-hole spacetimes. *Phys. Rev. D* **102** (2020) *10*, 104037.
- [13] **Kyriakos Destounis**, Rodrigo D. B. Fontana, and Filipe C. Mena. Accelerating black holes: quasinormal modes and late-time tails. *Phys. Rev. D* **102** (2020) *4*, 044005.
- [14] **Kyriakos Destounis**, Rodrigo D. B. Fontana, Filipe C. Mena, and Eleftherios Papantonopoulos. Strong Cosmic Censorship in Horndeski Theory. *JHEP* **10** (2019) 280.
- [15] **Kyriakos Destounis**. Superradiant instability of charged scalar fields in higher-dimensional Reissner-Nordström-de Sitter black holes. *Phys. Rev. D* **100** (2019) *4*, 044054.
- [16] Hang Liu, Ziyu Tang, **Kyriakos Destounis**, Bin Wang, Eleftherios Papantonopoulos, and Hongbao Zhang. Strong Cosmic Censorship in higher-dimensional Reissner-Nordström-de Sitter spacetime. *JHEP* **03** (2019) 187.
- [17] **Kyriakos Destounis**. Charged Fermions and Strong Cosmic Censorship. *Phys. Lett. B* **795** (2019) 211-219.
- [18] Vitor Cardoso, João L. Costa, **Kyriakos Destounis**, Peter Hintz, and Aron Jansen. Strong cosmic censorship in charged black-hole spacetimes: still subtle. *Phys. Rev. D* **98** (2018) *10*, 104007.

- [19] **Kyriakos Destounis**, Grigoris Panotopoulos, and Ángel Rincón. Stability under scalar perturbations and quasinormal modes of 4D Einstein–Born–Infeld dilaton spacetime: exact spectrum. *Eur. Phys. J. C* 78 (2018) 2, 139.
- [20] Vitor Cardoso, João L. Costa, **Kyriakos Destounis**, Peter Hintz, and Aron Jansen. Quasinormal modes and Strong Cosmic Censorship. *Phys. Rev. Lett.* 120 (2018) 3, 031103, Editor’s Suggestion, [Featured in Physics](#).

PUBLICATION SUMMARY	Published articles	20
	Thesis (not shown above)	1
	Many-author articles (not shown above)	4
	Total number of articles	25

CITATION SUMMARY	Total citations (Inspire)	1186
	h-index (Inspire)	15

**COMPUTER
SKILLS** Programming languages & Software: Mathematica, Matlab, C++ (beginner)

LANGUAGES Greek (native), English (fluent), Portuguese (elementary)