Thomas Tony | Curriculum vitae

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Education

2022 – present	PhD in Mathematics (Dr. rer. nat.), University of Münster.
	▪ advisor: R. Zeidler
2019 – 2022	Master of Science in Mathematics, University of Freiburg.
2013 – 2019	First State Exam in Mathematics and Physics (teaching degree), University of Freiburg.

Scholarships, grants and awards

2022 – present	Doctoral position founded by the Cluster of Excellence Mathematics Münster.
2020 – 2021	Deutschlandstipendium, University of Freiburg.
2013	DMV-Abiturpreis, Deutsche Mathematiker-Vereinigung.

Contributed talks (selection)

07/2023	*Scalar curvature comparison - Lipschitz maps*, Seminar on Scalar Curvature and Harmonic Functions, University of Münster.
01/2023	*An Index Theorem for End-Periodic Dirac Operators*, Arbeitsgruppenseminar Tuschmann, Karlsruhe Institute of Technology.
11/2022	*A-linear Dirac Operators and the Higher Index*, Seminar on Higher Index Theory, University of Münster.

Conferences, workshops and research schools

08/2023	Curvature and Global Shape ⌖, Workshop, Cluster of Excellence Mathematics Münster.
04/2023	*Higher Structures in Geometry and Mathematical Physics* ⌖, Research school, Centre International de Rencontres Mathématiques, Marseille.

Teaching experience

University of Münster ....

Summer 2023	*Differential Equations*, Tutor, given by T. de Laat.

University of Freiburg (as a tutor) ....

2015 – 2022	*Linear Algebra I* and *II* (2x), *Analysis I* and *II*, *Multiple Integration* (teaching degree), *Complex Analysis*, *Differential Geometry*.

Extramural teaching ....

2016 - 2022	Learn coaching, Das Lernteam.
2016 - 2020	Preparation for the General Certificate of Education in mathematics, Abiturma.

Language skills

German (native), English (B2 in parts C1), French (B1)

Technical skills

Latex, Python, Linux

Theses

[1] T. Tony. *The End-Periodic Index Theorem for Dirac Operators and its Connection to the Classical Atiyah-Patodi-Singer Index Theorem*. https://c133.de.tabdigital.eu/s/adG3fwWpZE4D7HD. Master's thesis, advisor: N. Große, University of Freiburg. 2022.

[2] T. Tony. *Die Riemannsche Vermutung und die Primzahlverteilung*. https://c133.de.tabdigital.eu/s/pd68nKpAyeY8YtM. State exam's thesis, advisor: K. Wendland, University of Freiburg. 2019.