

# Johann Stumpenhusen

## Curriculum Vitae

Mathematisches Institut  
Universität zu Köln  
Weyertal 86–90  
50931 Köln, Germany  
☎ +49 221 4705429

✉ [jstumpen@math.uni-koeln.de](mailto:jstumpen@math.uni-koeln.de)  
🌐 <http://www.mi.uni-koeln.de/~jstumpen/>

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## General

Date of birth 24 November 1997  
Location of birth Lüneburg  
Nationality German

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## Education

since 2022 **PhD student in mathematics**, *Universität zu Köln*, Cologne, advisor: Prof. Dr. Sander Zwegers  
2021–2022 **Master of Science in mathematics**, *Georg-August-Universität*, Göttingen, study focus: algebraic number theory  
2016–2021 **Bachelor of Science in mathematics**, *Georg-August-Universität*, Göttingen, study focus: algebra, geometry, number theory  
2018–2019 **Participation in the Erasmus+-program**, *The University of Warwick*, Coventry  
2008–2016 **High school**, *Wilhelm-Raabe-Schule*, Lüneburg, major fields of study: physics, chemistry, and mathematics  
2004–2008 **Elementary school**, *St.-Ursula-Schule*, Lüneburg

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## Employment

since 2022 **Scientific assistant**, *Universität zu Köln – Department Mathematik/Informatik – Abteilung Mathematik*, Cologne  
AG Zwegers  
2019–2022 **Student assistant**, *Georg-August-Universität*, Göttingen  
several modules in mathematics  
2015 **Supervisor and assistant**, *Kunstschule Ikarus e.V.*, Lüneburg

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## Teaching

### Universität zu Köln

since 2022 **(Co-)Supervisor**  
Winter 2023/24: Kryptologie (seminar)  
Summer 2023: Arithmetische Funktionen (seminar)  
Winter 2022/23: Spezielle Funktionen (seminar)

since 2022 **Teaching assistant**  
Winter 2023/24: Elliptische Funktionen  
Summer 2023: Elementare Zahlentheorie  
Winter 2022/23: Algebra  
Summer 2022: Lineare Algebra II

### Georg-August-Universität

2019–2022 **Student assistant**  
Winter 2021/22: Introduction to Algebraic Number Theory  
Winter 2021/22: Differential- und Integralrechnung I  
September 2021: Mathematisches Propädeutikum  
March 2021: Repetitorium Lineare Algebra und analytische Geometrie I  
Winter 2020/21: Introduction to Algebraic Number Theory  
Summer 2020: Lineare Algebra und analytische Geometrie II  
Winter 2019/20: Lineare Algebra und analytische Geometrie I

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## Conferences, Workshops and Research visits

- September 2023 **Young Number Theorists in Bonn**, *Max-Planck-Institut für Mathematik*, Bonn  
October 2022 **ENTR Workshop**, *TU Darmstadt*, Darmstadt  
September 2022 **ABKLS Seminar**, *Mathematisches Institut*, Cologne  
August 2022 **Modular forms in number theory and beyond**, *Universität Bielefeld*, Bielefeld  
June 2022 **ABKLS Seminar**, *Max-Planck-Institut für Mathematik*, Bonn

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## Talks

- October 2022 **Real Analytic Modular Forms**, *ENTR Workshop*

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## Publications

- to be submitted **Perfect Eisenstein integers**

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## Programming

- LaTeX excellent  
Programming languages  
Java basic C basic  
Python/Sage basic

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## Languages

- German native  
Low German native  
English C1 *Year abroad in the United Kingdom, 3<sup>rd</sup> to 10<sup>th</sup> grade*  
French B1 *University course, 6<sup>th</sup> to 11<sup>th</sup> grade*  
Latin Großes Latinum *Mark: 1.7, 10<sup>th</sup> to 12<sup>th</sup> grade*  
Dutch basics *Self-taught*  
Estonian rudimentary *University course*  
Swedish A1 *University course*

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## Hobbies and interests

- since 2022 **Playing board games**, *Ali Baba Spieleclub e.V.*, Cologne  
since 2022 **Singing in a choir**, *Swinghigh*, Cologne, bass  
since 2022 **Singing in a choir**, *Chorage*, Cologne, bass  
since 2022 **Playing Go**, *Kölner Go Gruppe*, Cologne, 8k to 7k  
2016–2022 **Singing in a choir**, *Unicante*, Göttingen, tenor and bass  
arranger, instructor  
2016–2022 **Playing Go**, *Go-Klub Göttingen*, Göttingen, beginner to 8k  
2021 – 2022 in an organising position  
2009–2016 **Piano classes**, still practising  
2012–2016 **UNESCO-AG**, *Wilhelm-Raabe-Schule*, Lüneburg  
2012–2016 **Singing in a school choir**, *Wilhelm-Raabe-Schule*, Lüneburg, tenor  
2006–2015 **Playing football**, *TSV Gellersen*  
also **learning languages, cooperative and strategy games, history**