

Soumendra Ganguly

Curriculum vitæ

✉ soumendra@tamu.edu

🌐 <https://8vasu.github.io>

🔄 <https://github.com/8vasu>

📞 +13134208784

🏢 Department of Mathematics
Texas A&M University
College Station, TX 77843-3368
USA

Research Interests

Analytic number theory, automorphic forms, L -functions, algebraic geometry

Education

Ph.D. in Mathematics

Texas A&M University, College Station, Texas
August 2019 - August 2023 (expected)

M.S. in Mathematical Sciences

Clemson University, Clemson, South Carolina
January 2017 - August 2019

M.Sc. in Mathematics

Chennai Mathematical Institute, Chennai, India
August 2014 - August 2016

B.Sc. (Honours) in Mathematics and Computer Science,

Chennai Mathematical Institute, Chennai, India
August 2011 - August 2014

Publications and preprints

Subconvexity for twisted L-functions on $GL(3) \times GL(2)$ and $GL(3)$ (in preparation)

Ph.D. dissertation, Texas A&M University
advisor: Matthew Young

m -ary partitions

master's thesis, Clemson University, 2019
https://tigerprints.clemson.edu/all_theses/3165/
advisor: Kevin James

Perfect Domination in Knights Graphs

The 49th Southeastern International Conference on Combinatorics, Graph Theory & Computing
<https://arxiv.org/abs/1805.03335>
With Todd Fenstermacher and Renu Laskar

Teaching and work experience

Texas A&M University:

2022 Instructor of record, **MATH 167 - Explorations in Mathematics**, fall

2022 Recitation and Python lab TA, **MATH 152 - Engineering Mathematics II**, spring

2021 Recitation and Python lab TA, **MATH 151 - Engineering Mathematics I**, fall

2021 **Research assistant**, summer

2021 Recitation and Python lab TA, **MATH 147 - Calculus I for Biological Sciences**, spring
 2020 Recitation and Python lab TA, **MATH 152 - Engineering Mathematics II**, fall
 2020 Grader, **MATH 470 - Communications and Cryptography**, summer
 2020 Grader, **MATH 304 - Linear Algebra**, summer
 2020 Grader, **MATH 411 - Mathematical probability**, spring
 2019 Grader, **MATH 415 - Modern Algebra I**, fall
 2019 Help session TA, **MATH 304 - Linear Algebra**, fall

Clemson University:

2019 Grader, **MATH 1080 - Calculus of One Variable II**, summer
 2019 Grader, **MATH 8530 - Matrix Analysis (graduate)**, spring
 2019 Lab TA, **MATH 1051 - Precalculus Laboratory**, spring
 2019 Lab TA, **MATH 1991 - Problem Solving in Mathematics Laboratory**, spring
 2018 Advanced teaching experience (under RTG grant from NSF), **MATH 4120 - Introduction to Modern Algebra**, fall
 2018 Grader, **MATH 8050 - Data Analysis (graduate)**, summer
 2018 Grader, **MATH 8050 - Data Analysis (graduate)**, spring
 2018 Grader, **MATH 8530 - Matrix Analysis (graduate)**, spring
 2018 Grader, **MATH 3110 - Linear Algebra**, spring
 2017 Lab TA, **STAT 2301 - Statistical Methods I Laboratory**, fall
 2017 TA (duties: preparing quizzes and worksheets), **MATH 1080 - Calculus of One Variable II**, summer
 2017 Grader, **MATH 1060 - Calculus of One Variable I**, summer
 2017 Classroom TA and grader, **MATH 1080 - Calculus of One Variable II**, spring

Talks

Conference talk presented at The 50th Southeastern International Conference on Combinatorics, Graph Theory & Computing, March 2019

Outreach

Math Circle leader at the Texas A&M math circle, April 9, 2022

Workshops and conferences attended

ICTS Discussion Meeting on L-functions, Circle-Method and Applications, 27 June 2022 - 01 July 2022
 Attended online

Southern Regional Number Theory Conference, March 12-13, 2022
 Louisiana State University, Baton Rouge, LA, USA

HIM Summer School: Polynomial Methods, June 7-17, 2021
 Online

HCM Hausdorff School: The Circle Method, May 10-14 and May 17-21, 2021
 Online

The 50th Southeastern International Conference on Combinatorics, Graph Theory & Computing, March 2019
 Florida Atlantic University, Boca Raton, FL, USA

The 49th Southeastern International Conference on Combinatorics, Graph Theory & Computing, March 2018

Florida Atlantic University, Boca Raton, FL, USA

MAAM 2018: Mid-Atlantic Analysis Meeting, November 9-11, 2018

Virginia Tech, Blacksburg, VA, USA

The Palmetto Number Theory Series (PANTS) XXXI, December 8 and 9, 2018

University of South Carolina, Columbia, SC, USA

The Palmetto Number Theory Series (PANTS) XXVIII, September 16 and 17, 2017

University of Tennessee, Knoxville, TN, USA

AMS Special Sessions on “Coding Theory, Cryptography, and Number Theory”, March 10-12, 2017

College of Charleston, Charleston, SC, USA

Advanced Instructional School on Analytic Number Theory, June 1-20, 2015

KIIT University, Bhubaneswar, India

Honors and achievements

The Kishore Vaigyanik Protsahan Yojana (KVPY) fellowship, awarded 2011

Funded by the Department of Science and Technology (Govt. of India) and implemented by IISc, Bangalore

Regional Mathematical Olympiad (RMO 2010), West Bengal, India

Other interests

Proficient in **Bengali**, **Hindi**, and **English**

Interested in **system programming for *nix**

Made **pseudoterminal**-related contributions to **util-linux**, ***BSD libc**, **CPython**