THIAGO HOLLEBEN

hollebenthiago@dal.ca · github: @hollebenthiago

EDUCATION

Universidade Federal do Rio de Janeiro, Brazil   *march 2016 - july 2017 (interrupted)*
Major in Mathematics
Universidade Federal do Rio de Janeiro, Brazil   *july 2017 - 2020*
Bachelor in Applied Mathematics

Universidade Federal do Rio de Janeiro, Brazil   *august 2019 - december 2021*
Master's degree in Mathematics
Dissertation title: The log-concavity of chromatic polynomials.
Advisor: Seyed Hamid Hassanzadeh

Dalhousie University, Canada   *september 2022 - current*
PhD in Mathematics
Advisor: Sara Faridi

ACADEMIC ACHIEVEMENTS

Professor Michael Edelstein Memorial Graduate Prize (2023)
Annual prize awarded to a graduate student who shows great promise in the mathematical sciences.

Honours undergraduate research project (2018)
Received an award for an undergraduate research project on the algebraic and combinatorial properties of Edge Ideals.
Advisor: Seyed Hamid Hassanzadeh

PREPRINTS

Thiago Holleben. (2023). The weak Lefschetz property and mixed multiplicities of monomial ideals. arxiv link

Susan M. Cooper, Sara Faridi, Lisa Nicklasson, Adam Van Tuyl, Thiago Holleben. (2023). The weak Lefschetz property of whiskered graphs. arxiv link

Sara Faridi, Thiago Holleben. (2023). Homological invariants of ternary graphs. (in preparation: expected October 2023)

LEADERSHIP POSITIONS

Teaching assistant at Dalhousie
Fall of 2022 and Winter of 2023
Teaching assistant at UFRJ
First semester of 2019
Teaching assistant at UFRJ
First and second semester of 2018
Organizer of Week of Applied Mathematics and Mathematical Engineering (SEM^{2}Ap)
Organized virtual Week of Applied Mathematics and Mathematical Engineering (SEM^{2}Ap) in 2020
More info on: Webpage, Youtube, Instagram
Organizer of weekly student seminar at UFRJ
Organized weekly seminars at UFRJ during the second semester of 2019.

EVENTS ATTENDED

10th Heidelberg Laureate Forum 2023 (poster, lightning talk)

BrianFest (University of Nebraska-Lincoln) 2023 (poster)

34o Colóquio Brasileiro de Matemática (IMPA) 2023 (poster)

Commutative Algebra and its Interaction with Algebraic Geometry (University of Notre Dame) 2023 (poster, lightning talk)

Workshop on Lefschetz Properties in Algebra, Geometry, Topology and Combinatorics. (Fields Institute) 2023 (talk, problem)

Workshop on Commutative Algebra and Algebraic Geometry in Prime Characteristics. (ICTP) 2023 (poster)

School on Commutative Algebra and Algebraic Geometry in Prime Characteristics. (ICTP) 2023 (talk)

Interactions Between Topological Combinatorics and Combinatorial Commutative Algebra (BIRS) 2023 (talk)

Combinatorial Algebra meets Algebraic Combinatorics 2023. (Waterloo University) 2023 (poster)

Combinatorial Algebra meets Algebraic Combinatorics 2020. (Dalhousie University) 2020

1st Joint Meeting Brazil-France in Mathematics. (IMPA) 2019

32o Colóquio Brasileiro de Matemática. (IMPA) 2019

SIMCARA. (USP São Carlos) 2019

Syzygies, from Theory to Applications. (UFPB) 2019

XXV Escola de Álgebra. (UNICAMP) 2018

SKILLS

Programming: Macaulay2, Sage, Python, Javascript, Julia