Bronson Lim

Location: Crestline, CA

Email: bronsoncl@gmail.com | Mobile: 760-680-6303

OBJECTIVE

Mathematics professor specializing in computational algebraic geometry looking to transition into data science and currently taking preliminary courses for an M.A. degree in Computer Science.

EXPERIENCE

Assistant Professor — Aug 2020 – Present
California State University San Bernardino — *San Bernardino, CA*

- Taught a variety of undergraduate/graduate mathematics courses including discrete mathematics for computer science undergraduates, linear algebra, and real analysis.
- Supervised several undergraduate research projects including infectious disease modelling, lattice cryptography, and elliptic curve cryptography.
- Co-Chair of the Departmental Assessment Committee: designing/scoring/interpretting annual assessment tasks given to our undergraduate mathematics students.

Research Assistant Professor — July 2017 – July 2020
University of Utah — *Salt Lake City, UT*

- Taught primarily multivariate calculus and (multivariate) real analysis undergraduate courses.
- Supervised two undergraduate reading courses including one on topological data analysis.

Graduate Teaching Fellow — Sep 2011 – June 2017
University of Oregon — *Eugene, OR*

- Taught a variety of undergraduate course including three sections of statistics, linear algebra, and discrete mathematics. The statistics sections included hypothesis testing.

EDUCATION

California State University San Bernardino — San Bernardino, CA
Transitory Student in Computer Science — *Aug 2022 – Present*

University of Oregon — Eugene, OR
Doctorate of Philosophy in Mathematics — *Sep 2011 – June 2017*

California State University San Bernardino — San Bernardino, CA
Masters of Arts and Bachelors of Science in Mathematics — *Sep 2005 – June 2011*

SELECTED PUBLICATIONS

- Bronson Lim and Franco Rota. Characteristic classes and stability conditions for projective Kleinian orbisurfaces. *Math. Z.*, 300(1):827–849, 2022

- Bronson Lim. Equivariant derived categories associated to a sum of two potentials. *J. Geom. Phys.*, 160:Paper No. 103944, 24, 2021

- Bronson Lim and Alexander Polishchuk. Bondal-Orlov fully faithfulness criterion for Deligne-Mumford stacks. *Manuscripta Math.*, 165(3-4):469–481, 2021

- Zahid Hasan and Bronson Lim. Symmetric generation of M_{22}. *Comm. Algebra*, 45(10):4257–4274, 2017

TECHNICAL SKILLS

Languages	:	C++, SageMATH (Python), HTML, LaTeX
Statistical	:	Hypothesis Testing
Dev Tools	:	Linux, Vim, Git, GitHub