

APPOINTMENTS

Visiting Assistant Professor, University of California, Riverside

Riverside, CA
July 2020 - present

EDUCATION

Ph.D. in Mathematics, University of British Columbia

Thesis: Negative curves in blowups of weighted projective planes.

Advisor: Kalle Karu

Vancouver, BC, Canada
September 2015 - June 2020

M.Sc. in Mathematics, National Autonomous University of Mexico (UNAM)

Thesis: Study of the Lie algebra of vector fields that preserve the conformal structure of Minkowski spacetime (in Spanish).

Advisor: Adolfo Sánchez Valenzuela

Mexico City, Mexico

August 2013 - May 2015

Licenciatura en Física, National Autonomous University of Mexico (UNAM)

Thesis: Maxwell equations, the Clifford algebra of Minkowski spacetime and the Dirac operator; with an associated generalization to the Lie algebra of the conformal transformations of a Lorentz metric (in Spanish).

Advisor: Adolfo Sánchez Valenzuela

Mexico City, Mexico

August 2007 - May 2013

PUBLICATIONS AND PREPRINTS

5. J. González-Anaya, J.L. González, K. Karu. *Non-existence of negative curves*, preprint, [arXiv:2110.13333](#), 2021.
4. J. González-Anaya, J.L. González, K. Karu. *The geography of negative curves*, preprint, [arXiv:2104.03950](#), 2021.
3. J. González-Anaya, J.L. González, K. Karu. *Curves generating extremal rays in blowups of weighted projective planes*, Journal of the London Mathematical Society, Volume 104, Issue 3, 2021, pp. 1342–1362.
2. J. González-Anaya, J.L. González, K. Karu. *On a family of negative curves*, Journal of Pure and Applied Algebra, Volume 223, Issue 11, 2019, pp. 4871–4887.
1. J. González-Anaya, J.L. González, K. Karu. *Constructing non-Mori Dream Spaces from negative curves*, Journal of Algebra, Volume 539, 2019, pp. 118–137.

INVITED TALKS

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| Seminario de Álgebra Conmutativa y Geometría Algebraica, CIMAT
<i>Curvas negativas en blowups de espacios proyectivos ponderados.</i> | Online
<i>September 2021</i> |
| Western Algebraic Geometry Symposium (WAGS)
<i>The geography of negative curves.</i> | Online
<i>April 2021</i> |
| Seminario Guillermo Torres. Institute of Mathematics, UNAM
<i>Estudiando anillos de Cox mediante una reducción a característica prima.</i> | Mexico City, Mexico
<i>August 2019</i> |
| Algebraic geometry seminar, UC Riverside
<i>Constructing examples and non-examples of Mori Dream spaces via a prime characteristic method.</i> | Riverside, CA, USA
<i>June 2019</i> |
| AG session of the Winter Meeting of the Canadian Math. Soc.
<i>Constructing Mori dream spaces and non-Mori dream spaces via prime characteristic methods.</i> | Vancouver, BC, Canada
<i>December 2018</i> |

TEACHING EXPERIENCE

At UC Riverside:

- Fall 2021: Two sections of Math 9A: First Year of Calculus I.
- Spring 2021: Two sections of Math 6B: Introduction to College Mathematics for Sciences II.
- Winter: 2021: Two sections of Math 131: Proof-based linear algebra.
- Fall 2020: Two sections of Math 9C: First Year of Calculus III.

At UBC:

- Fall 2018: One section of Math 100: Differential Calculus with Applications to Physical Sciences and Engineering.

Accreditations:

- 3-day Instructional Skills Workshop, UBC, 2018.
- Semester-long course: Mathematics Teaching Techniques, UBC, Fall 2015

AWARDS AND SCHOLARSHIPS

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| CONACyT international doctoral scholarship no. 410172 | <i>September 2015 - August 2019</i> |
| CONACyT national masters scholarship | <i>August 2013 - May 2015</i> |
| UNAM - UC scholarship
Full scholarship to study a semester abroad at UC Berkeley as part of an agreement between the University of California and UNAM. | <i>Fall semester 2011</i> |