

## Imad A. Jaradat

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Irbid 22110, JORDAN

EDUCATION      **New Mexico State University**, USA, NM

1. Ph.D. (with Honors), Affine Algebraic Geometry, May 2014
  - Thesis Topic: *Equivariant Triviality of Proper  $\mathbb{G}_a$ -Actions on  $\mathbb{A}_{\mathbb{C}}^4$*
  - Advisor: David R. Finston, Professor
2. M.S. (with Honors), Mathematics, June 2009

**Jordan University of Science and Technology**, Jordan, Irbid

1. M.S. (Rating: V. Good), Mathematics ( Numerical Analysis), June 2003
  - Thesis Topic: *Line Integrals Over Implicitly Defined Curves*
  - Advisor: Hani Siyyam, Ph.D.
2. B.S. (Rating: V. Good), Mathematics, June 2001

PROFESSIONAL EXPERIENCE

- Assistant Professor: Department of Mathematics and Statistics/ Jordan University of Science and Technology, Jordan. September 2014 - present.
- Teaching Assistant: Department of Mathematics/ New Mexico State University, USA. September 2007 - December 2013.
- Full Time Lecturer: Department of Basic Sciences and Mathematics/ Philadelphia University, Jordan. September 2004 - September 2007.
- Part Time Lecturer: Department of Mathematics and Statistics/ Jordan University of Science and Technology, Jordan. September 2003 - May 2004.
- "Doha Math Forum" Coordinator: University of Qatar, Qatar. 2007 - 2013.

PUBLICATIONS

1. **I. Jaradat**, M. Al-Dolat, K. Al-Zoubi, M. Alquran, *Theory and applications of a more general form for fractional power series expansion*. Chaos, Solitons and Fractals **108**, 107–110, 2018.
2. M. Alquran, **I. Jaradat**, *A novel scheme for solving Caputo time-fractional nonlinear equations: theory and application* . Nonlinear Dynamics (2017). <https://doi.org/10.1007/s11071-017-4019-7>.
3. **I. Jaradat**, D. Finston, *A locally trivial  $\mathbb{G}_a$ -action on  $\mathbb{C}^5$  with singular algebraic quotient*. Communications in Algebra **45** (11), 4992–5001, 2017.
4. K. Al-Zoubi, **I. Jaradat**, M. Al-Dolat, *On graded  $P$ -compactly packed modules*. Open Mathematics **13** (1), 487–492, 2015.
5. A. Dubouloz, D. Finston, **I. Jaradat**, *Proper triangular  $\mathbb{G}_a$ -actions on  $\mathbb{A}^4$  are translations*. Algebra & Number Theory **8** (8), 1959-1984, 2014.
6. A. Dubouloz, D. Finston, **I. Jaradat**, *Equivariant triviality of quasi- monomial triangular  $\mathbb{G}_a$ -actions on  $\mathbb{A}^4$* . Automorphisms in Birational and Affine Geometry, Levico Terme, Italy, Oct. 2012, Springer Proceedings in Mathematics & Statistics **79** (2014), 287-299.

- PRESENTATIONS
- Proper triangular  $\mathbb{G}_a$ -actions on  $\mathbb{C}^4$  revisited. Commutative Algebra & Algebraic Geometry Seminar. CUNY, NY. March 21, 2014
  - Proper triangular  $\mathbb{G}_a$ -actions on  $\mathbb{C}^4$ . Commutative Algebra & Algebraic Geometry Seminar. CUNY, NY. April 2013
  - On properness of  $\mathbb{G}_a$ -action on  $\mathbb{A}_{\mathbb{C}}^4$ . 11<sup>th</sup> Joint NMSU/UTEP Workshop on Math. El Paso, TX. March 2012
  - Proper triangular  $\mathbb{G}_a$ -actions generated by "monomials+1" derivations on  $\mathbb{C}^4$ . Conf. on Birational Transf. and Aut. of Affine Varieties. Basel, Switzerland. June 2011
  - $\mathbb{G}_a$ -actions on  $\mathbb{C}^4$ . A poster presented at the Southwest Local Algebra Meeting, New Mexico. March 2011
  - On the geometric quotient of proper triangular  $\mathbb{G}_a$ -action on  $\mathbb{A}_{\mathbb{C}}^4$ . Algebra seminar, New Mexico State University. September 2013
  - A locally trivial  $\mathbb{G}_a$ -action on  $\mathbb{C}^5$  whose algebraic quotient is singular. Algebra seminar, New Mexico State University. October 2011
  - A conjecture on proper triangular  $\mathbb{G}_a$ -actions on  $\mathbb{C}^4$ . Algebra seminar, New Mexico State University. April 2011
  - Rentschler's Theorem and related results. Graduate student seminar series. New Mexico State University. February 2010
- CONFERENCES
- Mini-courses & Workshop "The Topology of Algebraic Varieties", CRM, Universite de Montreal, Canada. Sept. 21–28, 2012.
  - On Birational Transf. And Automorphisms Of Affine Varieties, Basel, Switzerland. June 20–22, 2011.
  - Southwest Local Algebra Meeting, Las Cruces, NM. March 5–6, 2011.
  - AMS Sectional Meeting, Notre Dame, IN. Nov. 5-7, 2010.
  - Joint Mathematics Meetings, San Francisco, CA. January 13-16, 2010.
  - AMS Sectional Meeting, Albuquerque, NM. 2008-2010.
- AWARDS AND HONOURS
- Honors Graduate, NMSU 2014
  - Pengelley Award for Excellence in Teaching, NMSU 2012-2013
  - Travel Award, NMSU 2012
  - NSF Grant for Conducting Research In Europe (OISE 0936691) 2011
  - Merit-Based Enhancement Fellowship, NMSU 2010-2011
  - ASNMSU Leadership Scholarship, NMSU 2011
  - Graduate Tuition Fellowship, NMSU 2007-2009
  - Honors Graduate, NMSU 2009
  - Research Fellowship, Jordan University of Science and Technology. 2002