

PUBLICATIONS AND PREPRINTS

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1. PUBLICATIONS

- *Compactifications of Hurwitz spaces*
International Mathematics Research Notices, 2014(14):3863–3911, 2013.
- *Modular compactifications of the space of marked trigonal curves*
Advances in Mathematics, 248(0):96 – 154, 2013.
- *Sharp slope bounds for sweeping families of trigonal curves*
Joint with Anand Patel
Mathematical Research Letters, 20(3):869–884, 2013
- *The Picard rank conjecture for the Hurwitz spaces of degree up to five*
Joint with Anand Patel
Algebra & Number Theory, 9(2):459–492, 2015.
- *Gröbner techniques and ribbons*
Joint with Maksym Fedorchuk and David Swinarski
Albanian Journal of Mathematics, 8(1):55–70, 2014.
- *Toward GIT stability of syzygies of canonical curves*
Joint with Maksym Fedorchuk and David Swinarski
Algebraic Geometry (Foundation Compositio Mathematica) – To appear.

2. PREPRINTS

- *Covers of stacky curves and limits of plane quintics*
Submitted
arXiv:1507.03252 [math.AG], July 2015.
- *Class of the Hodge eigenbundle using orbifold Riemann–Roch*
Appendix to *Cyclic covering morphisms on $\overline{M}_{0,n}$* by Maksym Fedorchuk
<http://math.columbia.edu/~anandrd/papers/CyclicAppendix.pdf>

3. IN PROGRESS

- *On the GIT of syzygies of canonical genus 7 curves*
- *Anti-canonical embeddings of tropical del Pezzo surfaces*
Joint with Maria Angelica Cueto