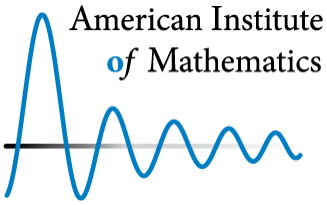
Jeremy Van Horn-Morris



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Education:
University of Texas at Austin, Mathematics, Ph.D. 2007
Advisor: Robert E. Gompf
Topic: Constructions of open book decompositions

University of Oregon, Mathematics, B.S. 2001

Positions and awards:
Research Member, MSRI, *Symplectic and Contact Geometry and Topology*, Spring 2010
NSF Math Institutes Postdoc, *American Institute of Mathematics* and *Stanford University*, 2009-2011
CIRGET Postdoctoral Fellowship, 2007-2009
Frank Gerth III Dissertation Award,*University of Texas at Austin*, 2007
VIGRE Fellowship, *University of Texas at Austin*, Spring 2007
Departmental Fellowship, *University of Texas at Austin*, Spring and Summer 2002

Publications:
Cabling, contact structures and mapping class monoids, joint with K. Baker and J. Etnyre. arXiv:1005.1978. Submitted.
Monodromy Substitutions and Rational Blowdowns, joint with H. Endo and T. Mark. arXiv:1004.3762. Accepted to *J. Topology.*
Planar open books, monodromy factorizations, and symplectic fillings, joint with O. Plamenevskaya. *Geom. Top.* 14 (2010), no.4, 2077–2101.
Tight contact structures on the Brieskorn spheres $-\Sigma(2,3,6n-1)$ *and contact invariants*, joint with P. Ghiggini. arXiv:0910.2752. Submitted.
Fibered Transverse Knots and the Bennequin Bound, joint with J. Etnyre. To appear in *Int. Math. Res. Not.*
The vanishing of the contact invariant in the presence of torsion, joint with P. Ghiggini and K. Honda. arXiv:0706.1602.

Teaching:
Fall 2010, *Finite Mathematics*, De Anza College.
Spring 2010, *Trigonometry*, De Anza College.
Winter 2010, *Intermediate Algebra*, co-taught with Barbara Illowsky, De Anza College.
Spring 2008, *Contact Structures* (graduate course), Université du Québec à Montréal.
Fall 2007, *Advanced Calculus for Engineers*, McGill Universtity.

Fall 2006, *Precalculus: Elementary functions and Coordinate Geometry*, University of Texas at Austin.
Fall 2004, Teaching Assistant, *Calculus I: Differential and Integral Calculus*, University of Texas at Austin. Supplemental Instruction course with an emphasis on active learning and critical thinking skills.
Fall 2002, Teaching Assistant, *Advanced Calculus for Applications II*, University of Texas at Austin. Freshman honors course.
Fall 2001, Teaching Assistant, *Calculus II: Differential and Integral Calculus*, University of Texas at Austin.

Invited Talks:

Cabling and Rational Open Books. Bi-College Topology Seminar, Bryn Mawr/Haverford, Philadelphia, November 2010.
Symplectic Fillings and Spinal Open Books. Symplectic Geometry, Gauge Theory, and Categorification Seminar, Columbia University, November 2010.
Symplectic Fillings and Spinal Open Books. Symplectic Geometry Seminar, Stanford University, November 2010.
Planar open books and symplectic fillings. Istanbul Contact Topology and Geometry Workshop, Istanbul Center for Mathematical Sciences, Istanbul, Turkey, June 2010.
Planar open books and symplectic fillings. Gökova Geometry/Topology Conference, Gökova, Turkey, June 2010.
Symplectic Fillings of Contact Manifolds. Geometry and Physics Seminar, University of Miami, December 2009.
Monoids and Contact Structures. Geometry Seminar, University of Virginia, December 2008.
Monoids and Contact Structures. CIRGET Seminar, Montreàl, QC, October 2008.
Fibered Transverse Links. Georgia Topology Conference, Athens, GA, May 2008.
Transverse fibered links. Geometric Topology Seminar, Columbia University, March 2008.
Open Book decompositions of torus bundles. Séminaire CIRGET, Université du Quebéc à Montréal, September 2007.
Lantern Relations and Rational Blowdown. Department Topology and Geometry Seminar, Georgia Institute of Technology, March 2007.
Open book decompositions of torus bundles. Special Session on Floer Homology, Joint Math Meetings, New Orleans, January 2007.
Open book decompositions of torus bundles. Department Topology Seminar, University of Texas as Austin, May 2006.
Open book decompositions of torus bundles. Department Topology and Geometry Seminar, Georgia Institute of Technology, March 2006.