

Curriculum Vitae for Sungkon Chang

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Addresses

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Education

- 1998, BS in Mathematics at Kangwon National University.
- 2005, (expected) Ph.D., University of Georgia.

Thesis On the arithmetic of twists of Jacobian varieties, supervised by Professor Dino Lorenzini. *all available upon request*

Other Original Works *all available upon request*

- 2003, Technical Report: Implementation of the 3-descent of the elliptic curve $y^2 = x^3 + b$.
- 2003, Computer Programming: `selmer333.gp`, *available in author's web site*.
- 2004, Note on the rank of quadratic twists of Mordell equations, *preprint*.

Awards

- 1995-98, Full Scholarship of the College of Natural Science of Kangwon National University
- 1997, Special Prize of the 1997 National College Mathematics Competition at Seoul National University.
- 2002, Outstanding Graduate Teaching Award, University of Georgia.
- 2004, The William Armor Wills Memorial Scholarship Award, University of Georgia.

Teaching Experience

- 1997-98, Grading, Abstract algebra, Kangwon National University, Republic of Korea.
- 1999–2000, GRSC777: Graduate Teaching Assistant Internship.
- 2000, Grading, Linear algebra, University of Georgia.
- 2000–2004, Various sections of Calculus, Calculus labs, and Precalculus, solely responsible for all the lectures and the assignments of grades.
- 2002, Teaching Seminar: Differential Calculus.

Research Interests Arithmetic of elliptic curves, Arithmetic of Jacobian varieties/abelian varieties, Explicit method in arithmetic geometry, Theory of complex multiplication, Algebraic number theory.

Talks Presented/To Be Presented

- August 2002, “Application of the main theorem of the theory of complex multiplication,” Arithmetic geometry seminar, University of Georgia.
- October 2003, “Practical algorithm for computing the p -Selmer group of an elliptic curve,” Arithmetic geometry seminar, University of Georgia.
- July 2004, “Survey on modular forms and modular curves,” Student arithmetic/algebraic geometry seminar, University of Georgia.
- November 2004, “On the arithmetic of twists of Jacobian varieties,” Arithmetic geometry seminar, University of Georgia.
- January 2005, “On the arithmetic of quadratic twists of an elliptic curves,” Contributed Talk, 2005 Joint Mathematics Meetings, Atlanta, GA.

Professional Meetings Attended

- March 1999, Southeast Regional Meeting on Numbers, University of South Carolina.
- April 2001, Southeast Regional Meeting on Numbers, Furman University.
- August 2001, NSF-CBMS conference, University of Central Florida: Modular Forms and Elliptic Curves.
- June 2002, Canadian Number Theory Association VII Meeting, Montreal, Canada.
- June 2003, NSF-CBMS conference, University of Illinois, Urbana-Champaign.
- June 2004, Canadian Number Theory Association VIII Meeting, Toronto, Canada.
- January 2005, 2005 Joint Mathematics Meetings, Atlanta, GA.

Professional Memberships

- 1999–Present, American Mathematical Society.

Activities/Public Service

- 2001, Monitoring at Reading for the Blind and Dyslexic, Athens, GA.
- 2004, Assisting the 2004-high school mathematics tournament, University of Georgia.
- 2004–2005, Organizing Student arithmetic/algebraic geometry seminar.

References for Sungkon Chang

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Research

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Teaching

LEONARD CHASTKOFKY Associate Professor
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**Teaching Mentor, 2003*

BRIAN BOE Professor
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