

KIM Chang Heon

Professor
Department of Mathematics



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Key Words Number theorist

Research Area Number Theory (modular forms and elliptic curves)

Education

- 1994.03 – 1999.08 PhD Korea Advanced Institute of Science and Technology (KAIST)
- 1992.03 – 1994.02 MSc Korea Advanced Institute of Science and Technology (KAIST)
- 1988.03 – 1992.02 BSc Korea Advanced Institute of Science and Technology (KAIST)

Experience

- 2004.03-2014.02 Seoul Women's University, Hanyang University
- 2003.10-2004.02 Korea Institute for Advanced Study (KIAS)
- 2002.10-2003.09 Mathematical Institute at Heidelberg University
- 2001.09-2002.10 Max-Planck Institute for Mathematics

Position

- 2010.01 - KIAS associate member
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Selected Publication

- Weakly holomorphic Hecke eigenforms and Hecke eigenpolynomials (with SY. Choi), Adv. Math. 290 (2016)
- Modularity of Galois traces of class invariants (with S. Kang and D. Jeon), Math. Ann. 353 (2012)
- Rank-one quadratic twists of an infinite family of elliptic curves (with D. Byeon and D. Jeon), J. Reine Angew. Math. 633 (2009)
- Borcherds products associated with certain Thompson series, Compositio Math. 140 (2004)
- Traces of singular moduli of arbitrary modular functions (with D. Choi, D. Jeon and S-Y. Kang), Int. Math. Res. Not. IMRN 2007
- Families of elliptic curves over cubic number fields with prescribed torsion subgroups (With D. Jeon and Y. Lee), Math. Comp. 80 (2011)
- Families of elliptic curves over quartic number fields with prescribed torsion subgroups (With D. Jeon and Y. Lee), Math. Comp. 80 (2011)
- Linear relations among half-integral weight Poincare series (with SY. Choi), J. Math. Anal. Appl. 432 (2015)

Others

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