

Youngsoo Kim

Curriculum Vitae

Department of Mathematics
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Gender: Male
Born November 22, 1975
Citizenship: Republic of Korea (South)

Education

- Ph. D. in Mathematics, University of Illinois at Urbana-Champaign, (Advisor: Daniel R. Grayson, expected in 2010)
- B.S. in Mathematics, Seoul National University, South Korea, 1998

Employment

- 2010 Summer, Math Instructor in CU Academy (pre-prep school)
- 2001 – 2010, Teaching Assistant in the University of Illinois at Urbana-Champaign
- 2000 – 2001, Teaching Assistant in Seoul National University, South Korea

Courses taught under my full responsibility

Precalculus and ACT prep, Summer 2010 (for high school students)
Math 241 Calculus III, Spring 2010 (Calculus & Mathematica course)
Math 234 Calculus for Business I, Fall 2009 (large lecture)
Math 124 Finite Mathematics, Fall 2008, Spring 2006, and Fall 2005
Math 181 Mathematical World, Summer 2007
Math 118 Numeracy, Spring 2005
+Numerous recitation sections

Honors

- Spring 2009, Nominated for Teaching Award by students
- Fall 2007, Teachers ranked as excellent by their students
- Fall 2004, Teachers ranked as excellent by their students
- 2002 – 2003, University Fellowship
- 2000 – 2001, Brain Korea 21 Fellowship

Research

- Dissertation: *Motivic symmetric ring spectrum representing algebraic K-theory*
- *On semistability of root lattices and perfect lattices* (submitted)
- *CFLat - GAP package computing the canonical filtration of a lattice*
<http://www.math.illinois.edu/~ykim33/CFLat>
- with Kevin Charles Jones, Andrea H. Mhoon, Rekha Santhanam, Barry J. Walker, and Daniel R. Grayson, *The additivity theorem in K-theory*, *K-theory* 32 (2): 181 – 191, June 2004
- with Daniel R. Grayson, *Constructing spaces from bouquets* (unpublished)

Conferences

- Conference: I have given a talk
January 2010, *Joint Mathematics Meetings*, San Francisco, CA
Motivic symmetric ring spectrum representing algebraic K-theory
AMS session in Algebras II
- Conferences: I have attended
April 2006, *The eleventh Great Lake K-theory Conference*, University of Illinois at Chicago, Chicago, IL
March 2005, *Conference in honor of the 65th birthday of Stephen Lichtenbaum*, Brown University, Providence, RI
May 2004, *The tenth Great Lake K-theory Conference*, University of Illinois at Urbana-Champaign, Urbana, IL
May 2004, *Midwest Topology Conference*, Indiana University, Bloomington, IN
March 2004, *The UM/OSU Weekend Algebraic Geometry Seminar*, The Ohio State University, Columbus, OH
May 2003, *The ninth Great Lake K-theory Conference*, Northwestern University, Evanston, IL

Non-academic Experience

- 1998 – 2000, Military service in Korean Augmentation to The United States Army. (mandatory)

References

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