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CURRICULUM VITAE
as of July 2009

FATMA ALTUNBULAK AKSU

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PERSONAL INFORMATION

DATE OF BIRTH:	May 25, 1980
PLACE OF BIRTH:	Hanak-Ardahan - Turkey
CITIZENSHIP:	Turkish
MARITAL STATUS:	Married

ACADEMIC QUALIFICATIONS

Ph.D., Mathematics.	Bilkent University, Ankara, Turkey, expected Fall 2009-2010 Dissertation: "Essential Cohomology and Relative Cohomology of Finite Groups" Supervisor: Ergün Yalçın
Junior Specialist.	Friedrich-Schiller-University, Jena, Germany Advisor: David J. Green August 15, 2007- May 15, 2008, supported by TÜBİTAK BDP.
M.S., Mathematics.	Bilkent University, Ankara, Turkey, 2004 Thesis: "L_ζ-modules and a theorem of Jon Carlson" Supervisor: Ergün Yalçın
B.S., Mathematics.	Dokuz Eylül University, Turkey, 2002

ACADEMIC ACHIEVEMENTS AND AWARDS

- TÜBİTAK BDP, (2006–2008).
- TÜBİTAK Research Fellowship, (2005–2006).
- Merit-based Full Scholarship, Bilkent University (2002–2005)
- Graduation Award from Dokuz Eylül University, 2002. (ranked first among Faculty of Arts and Sciences graduates of the bachelor's degree programs in the 2001-2002 academic year.)

PUBLICATIONS

- *A theorem of Jon F. Carlson on Filtrations of Modules*,
  J. Pure and Applied Algebra, 208 (2007) 15-28 (with Ergün Yalçın).
- *Essential Cohomology for Elementary Abelian p-Groups*,
  J. Pure and Applied Algebra, in press (with David J. Green).
- *Essential Classes and Relative Cohomology*, in preparation.

CURRENT RESEARCH INTERESTS

- Cohomology of Finite Groups
    - Essential Cohomology
    - Relative Cohomology of Finite Groups with respect to a finite G-set
- Homological Algebra
- Modular Invariant Theory

- Commutative Algebra (Varieties of Modules)

TALKS GIVEN IN SEMINARS AND CONFERENCES

- May 2009, Antalya, Turkey
  Antalya Algebra Days XI
  Talk: Essential Cohomology of Elementary Abelian p-Groups.

- May 2009, Ankara, Turkey
  Odtü-Bilkent Algebraic Geometry Seminars
  Talk: Varieties of Modules and a Filtration Theorem.

- November 2008, Ankara, Tukey
  Bilkent University, Algebra Seminar
  Talk: Essential Cohomology of Elementary Abelian p-Groups

- May 2008, Jena, Germany
  Friedrich-Schiller University, Jena
  Talk: Essential Cohomology of Elementary Abelian p-Groups

- October 2007, Jena, Germany
  Friedrich-Schiller University, Jena
  Talk: Some Remarks on a Theorem of Jon F. Carlson on Filtrations of Modules

- May 2005, Antalya, Turkey
  Antalya Algebra Days VII
  Talk: Some Remarks on a Theorem of Jon F. Carlson on Filtrations of Modules

- May 2004, Antalya, Turkey
  Antalya Algebra Days VI
  Talk: L_ζ-Modules and Induction From Elementary Abelian Subgroups

- 2003-2007, Ankara, Turkey
  Bilkent University, Weekly Algebra Workshop
  Selected Talks:

  ◇ Essential Cohomology of Finite Groups

  ◇ Varieties and Transfers

  ◇ Varieties of Modules and L_ζ-modules

  ◇ L_ζ-modules in Group Cohomology of Finite Groups

  ◇ Periodic Cohomology of Finite Groups

- 2007-2008, Jena, Germany
  Friedrich-Schiller University, Jena, Weekly Algebra Workshop
  Talk: The maximal p-subgroups of $GL(d, \mathbb{Z})$

PROFESSIONAL EXPERIENCE

- *Recitation Instructor:*
  ◇ Calculus I (Faculty of Engineering - Bilkent University)
  ◇ Calculus II (Faculty of Engineering - Bilkent University)
  ◇ Responsibilities: Preparing and presenting the material of the recitation, designing the
    quiz questions, assisting students on the individual basis through the office hours.
- *Teaching Assistant:*

- ⋄ Algebra I-II (for Mathematics)
- ⋄ Linear Algebra (for Mathematics)
- ⋄ Linear Algebra(for Engineering)
- ⋄ Calculus I-II (for Economics)
- ⋄ Statistics for Social Science
    Responsibilities: Grading weekly homeworks and quizzes, assisting students on the individual basis through the office hours.
- ⋄ Help Center (For all calculus courses for engineering department)
- ⋄ Responsibilities: Assisting students on individual basis during three houred help session, teaching the subjects that students have problems.

CURRENT PROFESSIONAL MEMBERSHIPS

- Turkish Mathematical Society (TurkMath)
- American Mathematical Society (AMS)

REFERENCES

- Assoc. Prof Ergün Yalçın   Department of Mathematics
  yalcine@fen.bilkent.edu.tr   Bilkent University
                                    Bilkent, 06800 Ankara, Turkey

- Assoc. Prof. Laurence Barker   Department of Mathematics
  barker@fen.bilkent.edu.tr   Bilkent University
                                    Bilkent, 06800 Ankara, Turkey

- Prof. David J. Green   Mathematical Institute
  green@minet.uni-jena.de   Friedrich-Schiller-Universität Jena
                                    D-07737 Jena, Germany

    Particularly, for teaching:

- Asist. Prof Okan Tekman   Department of Mathematics
  otekman@fen.bilkent.edu.tr   Bilkent University
                                    Bilkent, 06800 Ankara, Turkey

- Dr. Yosum Kurtulmaz   Department of Mathematics
  yosum@fen.bilkent.edu.tr   Bilkent University
                                    Bilkent, 06800 Ankara, Turkey