

Olgur Celikbas

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EDUCATION **Ph.D.** Mathematics, expected graduation date August 2010
University of Nebraska–Lincoln
Thesis: Vanishing of Tor over complete intersections
Advisors: Professor Roger Wiegand, Willa Cather Professor of Mathematics;
Professor Mark E. Walker

M.S. Mathematics, May 2005
University of Nebraska–Lincoln

B.S. Mathematics with Honors, June 1999
Ankara University, Ankara, Turkey

RESEARCH INTERESTS Commutative Algebra

AWARDS **Scholastic Graduate Research Assistantship**, UNL, Summer 2004
Departmental award providing summer funding for research.

PAPERS AND PREPRINTS **Vanishing of Tor over complete intersections**
To appear in the Journal of Commutative Algebra;
Preprint available on <http://front.math.ucdavis.edu/author/O.Celikbas>.

Asymptotic Behavior of Ext for modules of finite complete intersection dimension
With Hailong Dao, preprint.

WORK IN PROGRESS **Algebraic equivalence and Hochster’s theta invariant**
With Mark E. Walker.

On the converse of Auslander’s depth formula
With Hailong Dao.

INVITED TALKS **2010 Joint Mathematics Meetings**, Special Session on Commutative Algebra
Vanishing of Tor over complete intersections
San Francisco, CA, January 2010

SELECT CONFERENCES ATTENDED **AMS Meeting**
Boca Raton, FL, October, 2009

Homotopy theory and applications
Lincoln, Ne, April, 2009

AMS Meeting
Urbana, IL, March, 2009

Commutative Algebra: Connections with Algebraic Topology and Representation Theory
Lincoln, NE, May, 2008

Macaulay 2 Conference

Cornell University, Ithaca, NY, March, 2008

AMS Meeting

Davidson College, Raleigh, NC, March, 2007

AMS Meeting

Lincoln, NE, October, 2005

Nebraska Commutative Algebra Conference: WiegandFest

Lincoln, NE, May, 2005

Mini-Course: Classical Problems in Commutative Algebra

Salt Lake City, UT, June, 2004

KUMUNU Algebra Days

Lawrence, KS, 2003, 2005; Lincoln, NE, 2007, 2008, 2009

WORKSHOPS
ATTENDED

Institute for International Teaching Assistants

University of Nebraska–Lincoln, Summer 2003

Emerging Scholars Program

Calculus instructor workshop, University of Texas–Austin, August 2005

SEMINAR TALKS

UNL Working Seminar on Homological Algebra of Commutative Rings

Modules over unramified regular local rings, November, 2008

UNL Commutative Algebra Seminar

Vanishing of Tor over complete intersections, September, 2009

TEACHING
EXPERIENCE

Graduate Teaching Assistant

University Of Nebraska–Lincoln

August 2003–May 2010

13 semesters of teaching experience

- Courses taught as principal lecturer:

Math 101 (College Algebra)

Math 102 (Trigonometry)

Math 103 (College Algebra and Trigonometry)

Math 106 (Calculus I)

Math 310 (Introduction to Modern Algebra)

- Courses taught as recitation instructor:

Math 106 (Calculus I)

Math 107 (Calculus II)

Math 198 (Math Excel Workshop for Calculus I and II)

- Courses graded:

Math 104 (Busines Calculus)

Math 818 (Graduate Algebra)

MENTORING AND
OUTREACH

Microteaching Instructor, Institute for International Teaching Assistants, Summer 2008

An intensive summer program that prepares international graduate students from various university departments to teach effectively at American universities, using a learner-centered approach.

Mathematics Tutor, 1999 - 2003

Tutored high school students for the university entrance exam in Turkey.

DEPARTMENT
SERVICE

Lead Counselor, Math Resource Center, 2003–2009

This center offers free tutorial assistance for students in courses ranging from College Algebra to Calculus III.

Volunteer, Math Day, Fall 2008

Math Day is an annual high school math competition across Nebraska, conducted at University of Nebraska–Lincoln.

Volunteer, Nebraska Conference for Undergraduate Women in Mathematics, Spring 2009.

REFERENCES

Dr. Richard Lombardo, Graduate Studies, University of Nebraska–Lincoln, 1100 Seaton Hall, Lincoln, NE 68588-0130, (402) 472-5334, rlombardo2@unl.edu

Prof. Mark Walker, Department of Mathematics, University of Nebraska–Lincoln, 328 Avery Hall, Lincoln, NE 68588-0130, (402) 472-0521, mwalker5@math.unl.edu

Prof. Roger Wiegand, Department of Mathematics, University of Nebraska–Lincoln, 330 Avery Hall, Lincoln, NE 68588-0130, (402) 472-7251, rwiegand1@math.unl.edu

Prof. Sylvia Wiegand, Department of Mathematics, University of Nebraska–Lincoln, 329 Avery Hall, Lincoln, NE 68588-0130, (402) 472-7248, swiegand1@math.unl.edu