

Thomas Dunn

Curriculum Vitæ

North Dakota State University
Department of Mathematics
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Education:

2015 June (expected)

Ph.D. in Mathematics, North Dakota State University, Fargo, ND

Advisor: Professor Cătălin Ciupercă

Dissertation Title: A Linear Formula for the Generalized Multiplicity Sequence

2008 May

B.S. in Mathematics, Northern Arizona University, Flagstaff, Arizona

2008 May

B.S. in Physics, Northern Arizona University, Flagstaff, Arizona

Teaching Experience:

2008 August – present

Graduate Student Teaching Assistant, North Dakota State University,
Department of Mathematics, Fargo, ND

Recitation Instructor for:

- College Algebra
- Calculus I
- Multivariable Calculus
- Trigonometry
- Calculus II
- Calculus III

Primary Instructor for:

- College Algebra
- Finite Math
- Calculus II
- Trigonometry
- Calculus I
- Differential Equations

Research Interests:

Commutative Algebra: multiplicity theory, integral closure and reductions.

Awards and Honors:

2012 August

NDSU Mathematics Department Graduate Student Research Award

Seminar Talks at Home Institution:

2011 April

Multiplicities of Bigraded Algebras

2012 November

A Linear Formula for the Generalized Multiplicity Sequence

2013 September

Modules of Finite Length and Hilbert Polynomials

2014 September

Generalizations of the Hilbert-Samuel Multiplicity

2014 October

Some Properties of Monomial Ideals

Talks :

2012 October

A Linear Formula for the Generalized Multiplicity Sequence, AMS Central Section Meeting, Akron, OH

2013 January

A Linear Formula for the Generalized Multiplicity Sequence, 2013 Joint Mathematics Meeting, San Diego, CA

Upcoming Talks :

2015 March

Integral Closure and Achilles-Manaresi Multiplicity Sequence, AMS Eastern Sectional Meeting, Washington, DC

Membership to Professional Organizations:

American Mathematical Society

Computer Skills:

Macaulay2, LaTeX, Blackboard

References:**Professor Cătălin Ciupercă**

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Professor Jim Coykendall

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Professor William Martin

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Professor Sean Sather-Wagstaff

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Professor Friedrich Littmann

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