

Curriculum Vitae, Larsen Edmund Louder

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Biographical

U.S. Citizen
DOB: June 14, 1979

Education

University of Utah, Salt Lake City, Utah USA

Ph.D., Mathematics, May 2007

- Dissertation Topic: “Krull Dimension for Limit Groups”
- Advisor: Mladen Bestvina

M.Phil., Mathematics, May 2003

B.S., Mathematics, May 2001

Honors and Awards

National Science Foundation MSPRF, 2007

Research Interests

Geometric Group Theory, Limit Groups, Low Dimensional Topology

Preprints

Krull dimension for limit groups I: Bounding strict resolutions

<http://front.math.ucdavis.edu/0702.5115>

Krull dimension for limit groups II: aligning JSJ decompositions

<http://front.math.ucdavis.edu/0805.1935>

Krull dimension for limit groups III: Scott complexity and adjoining roots to finitely generated groups

<http://front.math.ucdavis.edu/0612.5222>

Krull dimension for limit groups IV: Adjoining roots

<http://front.math.ucdavis.edu/0812.1816>

Invited Talks

Topics in Geometric Group Theory

MSRI Workshop

Krull Dimension for Limit Groups

November 2007

Topology Seminar

The University of Texas at Austin

Aligning JSJ decompositions of limit groups

April 2007

Geometry and Topology Seminar

Caltech

Aligning JSJ decompositions of limit groups

February 2007

Geometric Group Theory Seminar

University of Oklahoma

Krull Dimension for Limit Groups

November 2006

1019th AMS Meeting
University of Utah
Krull Dimension of Limit Groups
October 2006

Max Dehn Seminar
University of Utah
Krull Dimension of Limit Groups
October 2006

Wasatch Topology Conference
Park City, UT
Accessibility of Limit Groups
July 2006

GSAC Colloquium
University of Utah
An Introduction to Hyperbolic Geometry
November 2001

Recitations

International Conference and Workshops on Geometric Topology
honoring Karol Borsuk's life and work on the 100th anniversary of his birth
Workshop on Geometric Group Theory
Będlewo, Poland
July 2005

Mini Max Dehn Seminar (Graduate Topology Seminar)
University of Utah
Recurring
2002 - Co-Organizer

Teaching

University of Michigan:

Fall 2008
Math 215: *Calculus III*

University of Utah:

VIGRE Summer 2006 REU Program
The Geometry of Möbius Transformations
Graduate Assistant

Fall 2005
Math 1220: *Calculus II*

VIGRE Summer 2005 REU Program
The Mathematics of Games of Chance
Graduate Assistant

Fall 2003

Math 1030: *Quantitative Thinking*

Fall 2002

Math 1100: *Business Calculus*

VIGRE Summer 2002 REU Program

Random Walks and Simulation

Graduate Assistant