Alma Mater

Hail, and hail our Alma Mater! Ever will our hearts be true: You will live with us forever, Loyal we will be to you. We will sing forever your praises, Ever more our love renew, Pledge our whole devotion to you. Dear old CU!
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<td>Department Chair</td>
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PhD awarded in 1966 from the University of Utah and started teaching mathematics at CU Boulder in Fall 1966 and retired at the end of 2010. Won several teaching awards while at CU. Visiting Scientist at NCAR from 1985 until 2013. At NCAR worked on wind shear, turbulence and icing algorithms related to air safety (of note; the team he worked with at NCAR on turbulence was cited as one of 50 outstanding scientific achievements by Scientific American in 2003). A Casual Scientist until the present. Produced eleven PhD students while at CU. Loved every minute of it.
Graduate Degrees in Mathematics
Katharine Lauren Marie Adamyk, PhD
Graduate Advisor: Dr. Agnès Beaudry
Dissertation Title: *A classification of $Q_0$-local $A(1)$-modules*

Sebastian Bozlee, PhD
Graduate Advisor: Dr. Jonathan Wise
Dissertation Title: *An Application of Logarithmic Geometry to Moduli of Curves of Genus Greater Than One*

Andrew Scott Healy, PhD
Graduate Advisor: Dr. Alexander Gorokhovsky
Dissertation Title: *Explicit Quasi-Isomorphisms Between the Koszul and Bar Resolutions of Weyl Algebras*

Trevor Jack, PhD
Graduate Advisor: Dr. Peter Mayr
Dissertation Title: *Computational complexity of semigroup properties*

Saeed Khalili, PhD
Graduate Advisor: Dr. Yu-Jui Huang
Co-Advisor: Dr. Sergei Kuznetsov
Dissertation Title: *Stochastic Analysis for Problems in Mathematical Finance and Economics*
Taylor Joseph Klotz, PhD
Graduate Advisor: Dr. Jeanne Clelland
Dissertation Title: *Geometry of cascade feedback linearizable control systems*

Daniel Everett Martin, PhD
Graduate Advisor: Dr. Katherine Stange
Dissertation Title: *The geometry of imaginary quadratic fields*

Caroline Liggett Matson, PhD
Graduate Advisor: Dr. David Grant
Dissertation Title: *Multidimensional formal group laws with complex multiplication*

Mark Pullins, PhD
Graduate Advisor: Dr. Keith Kearnes
Dissertation Title: *Generically 2-transitive algebraic group actions with solvable point stabilizers*

Tyler Schrock, PhD
Graduate Advisor: Dr. Nathaniel Thiem
Co-Advisors: Dr. Josh Grochow, Dr. Rafael Frongillo
Dissertation Title: *On the complexity of isomorphism in finite group theory and symbolic dynamics*
Hanson William Smith, PhD
Graduate Advisor: Dr. Katherine Stange
Dissertation Title: *Monogeneity and Torsion*

Athena Crystine Sparks, PhD
Graduate Advisor: Dr. Peter Mayr
Dissertation Title: *Clonoids and Promise Constraint Satisfaction Problems*

Zhenhua Wang, PhD
Graduate Advisor: Dr. Janos Englander
Co-Advisor: Dr. Yu-Jui Huang
Dissertation Title: *Random processes and Stochastic Control*
Masters in Mathematics
University of Colorado Boulder

Andrew James Campbell, MA
Graduate Advisor: Dr. Sean O’Rourke

Andre Davis, MA
Graduate Advisor: Dr. Agnès Beaudry

Sangman Lee, MA
Graduate Advisor: Peter Mayr and Dr. Rafael Frongillo

Ali Lotfi, MA
Graduate Advisor: Dr. Keith Kearnes

Jonathan Randall Quartin, MA
Graduate Advisor: Dr. Jonathan Wise

James VanMeter, MA
Graduate Advisor: Dr. Judith Packer

Patrick Michael Wynne, MA
Graduate Advisor: Dr. Peter Mayr
Concurrent Degrees in Mathematics
University of Colorado Boulder

Brandon Breeden, BA/MS
Advisors: Dr. Laila Andersson, LASP, Dr. Agnès Beaudry, MATH
Project Title: Ion Motion Effects on Langmuir Probe Theory

Xiaoliu Chen, BA/MA
Graduate Advisor: Dr. Janos Englander
Project Title: A surprising Poisson process arising from a species competition model by Durrett and Limic

I am a Math Buff.
Baccalaureate Degrees in Mathematics
Honors in Mathematics
University of Colorado Boulder

Jerett Charles Cherry: *summa cum laude* in Mathematics
Advisor: Dr. Sebastian Casalaina-Martin
Thesis Title: *A compendium of Riemann surfaces and algebraic curves*

Megan Hannah Collins: *summa cum laude* in Mathematics
Advisor: Dr. Sean O’Rourke
Thesis Title: *Distribution of Critical Values of Random Polynomials with Non-iid Roots*

Ram Diego Ekstrom: *summa cum laude* in Mathematics
Advisor: Dr. Magdalena Czubak
Thesis Title: *Survey of the theory of Fourier transforms on $R^n, H^2$, and homogeneous spaces of semisimple Lie groups*

Henry Charles Fontana: *cum laude* in Mathematics
Advisor: Dr. Sebastian Casalaina-Martin
Thesis Title: *Hodge theory, almost complex structures, and the Lefschetz decomposition*

Ryan Andrew Mike: *summa cum laude* in Mathematics
Advisor: Dr. Sebastian Casalaina-Martin
Thesis Title: *An introduction to sheaf cohomology in algebraic geometry*

Poramate Nakkirt: *magna cum laude* in Mathematics
Advisor: Dr. Sean O’Rourke
Thesis Title: *Limiting Moments of the Eigenvalue Distribution of the Watts–Strogatz Random Graph*
December 2019 Baccalaureate
Degrees in Mathematics
University of Colorado Boulder

Nicholas Drew Bossenbroek ★ π
Jerett Charles Cherry * ★ π
Kyla Michelle Dyer
Audrianna Elsa Fabrizio
Jason Michael Giblin π
Devin Jonathan Haugh
Yichun Hong
Aaron Song You Hong
Briana Gaojoua Lo
Josef L. Los
Xiaoyi Ma
Michelle Laura MacLennan π
Sean Michael McDonough
David Cullen McHale
Keegan Patrick McNamara ★ π
Togtuun Munkhsetseg
Poramate Nakkirt ** ★ π
Bryan Charles Nelson
Nicholas Vincent Noone
Lu Ouyang

* Mathematics Honors: summa cum laude
** Mathematics Honors: magna cum laude
*** Mathematics Honors: cum laude
★ “with distinction”
π Pi Mu Epsilon Math Honor's Society
December 2019 Baccalaureate
Degrees in Mathematics
University of Colorado Boulder

Jared Popowski π
Kellen Richard Rice π
Hannah Jean Rieder ★ π
Noah Chase Rosenthal
Erica A. Schmisser
Yiting Song
Christopher Irving Thomson
Benjamin Reid Wilking
Richard Williams
Dongyu Wu
Yujing Xie
Bohao Zhang

* Mathematics Honors: summa cum laude
** Mathematics Honors: magna cum laude
*** Mathematics Honors: cum laude
★ “with distinction”
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May and August 2020 Baccalaureate Degree Candidates in Mathematics
University of Colorado Boulder

Hamad Nawaf Al Mutawa
Abdullatif Khalid AlAbduljaleel
Zade K. Alfalah
Travis Almquist
Munther Alnghemshi
Riccardo Arossa
Courtney Beckwith
Crossland Joseph Beer ★ π
Susan Edith Born ★ π
Jonathan Micah Bosnich ★ π
Brandon Breeden
Anthony Maurel Carroll ★ π
Xiaoliu Chen ★ π
Alexandra Marie Collard ★
Megan Hannah Collins * ★ π
Clifford Stephen Craw
Connor DeFilippis
Guofeng Deng
Kyle Matthew DiGiacomo
Joseph Williams Director

* Mathematics Honors: summa cum laude
** Mathematics Honors: magna cum laude
*** Mathematics Honors: cum laude
★ “with distinction”
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May and August 2020 Baccalaureate Degree Candidates in Mathematics
University of Colorado Boulder

Natalie Downey
Justin Thomas Eggers
Ram Diego Ekstrom * ★ π
Henry Charles Fontana ***
Reilly Griffin Friedman
James William McInnes Gallmeister
Sergey Gitalov ★ π
Shang Gong
Alexa Graffeo
Braden Thomas Griebel ★ π
Briana Jo Hackos ★ π
Cameron Forrest Hamblen
Marcus Philip Haverhals
Jason Linnebjerg Haw π
Yunpeng He
Kevin Charles Headrick ★ π
Daryn Kenji Higaki
Siyuan Huang
Jeffrey Huynh
Landon Robert Jacquinot

* Mathematics Honors: summa cum laude
** Mathematics Honors: magna cum laude
*** Mathematics Honors: cum laude
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May and August 2020 Baccalaureate Degree Candidates in Mathematics

University of Colorado Boulder

Michael Devonn Jara
Shaohan Ji
Peng Jiang
Alexander Matthew Koek
Mark Robinette La Rocque
Lauren Jean Lamb
Ngawang Lekden
Henry William Lembeck
Naerduo Li
Ruolin Li
Derek James Logan
Tyler Dale Jagger Lovrien
Yadi Ma
Josiah Edward Martinez
Cortland Rhea McHale
Liam Richard David Merz Hoffmeister π
Ryan Andrew Mike * ★ π
Destry James Monk
Brandon Cole Montalvo
Eric Mathieu Morin

* Mathematics Honors: summa cum laude
** Mathematics Honors: magna cum laude
*** Mathematics Honors: cum laude
★ “with distinction”
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May and August 2020 Baccalaureate Degree Candidates in Mathematics
University of Colorado Boulder

Blanca Muñoz Pérez
Megan Elizabeth Nelson ★ π
Michael Herbert Neuder ★
Justin Nicoski ★ π
Emmett Nolan Nielsen
Victoria Kathryn Orta
Tianxiang Ouyang
Simon D. Pasillas π
Joshua Paup
Arthur Charles Denis Pellegrino ★ π
Connor Ries Plooy ★ π
Jonathan Michael Powell
Ce Qiu
Adam Edward Reichenbach
Zhao Yuan Ren
Dante Antonio Salas π
Paul Schmidt
Alexandra Hope Schwein ★ π
Lucas James Simon
Erin Isabella Smith ★ π

* Mathematics Honors: summa cum laude
** Mathematics Honors: magna cum laude
*** Mathematics Honors: cum laude
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May and August 2020 Baccalaureate Degree Candidates in Mathematics
University of Colorado Boulder

Yarrow J. Sullivan
Jade VanAusdall \(\pi\)
John Randel Vander Dussen
Fernando Villalobos
Chaitanya P. Walia
Megan Elizabeth Walters \(\pi\)
Yongdi Wei
Manru Wei
Alison Michelle Weinberger ★ \(\pi\)
Megan Grace Wettstein ★ \(\pi\)
Benjamin Wilder
Maxwell Grimes Williams
Chen Wu
Luoying Zhang
Qingyu Zhang
Kaiyuan Zhang
Miao Zhang
Su Zhang
Kexin Zhu
Maximilian Julius Zim

* Mathematics Honors: summa cum laude
** Mathematics Honors: magna cum laude
*** Mathematics Honors: cum laude
★ “with distinction”
\(\pi\) Pi Mu Epsilon Math Honor's Society
YOU DID IT!
Mathematics Awards and Scholarships

**Burton W. Jones Teaching Excellence Award**
- Katharine Lauren Marie Adamyk - 2018
- Daniel Everett Martin - 2019
- Mark Pullins - 2017
- Athena Crystine Sparks - 2019

**W. E. Briggs Teaching Excellence Award**
- Katharine Lauren Marie Adamyk - 2015
- Jonathan Randall Quartin - 2018
- Patrick Michael Wynne - 2018

**Jack Hodges Award for Excellence in Mathematics**
- Megan Hannah Collins - 2018
- Alexandra Hope Schwein - 2019

**Mr. & Mrs. J. Tour Scholarship**
- Ryan Andrew Mike - 2019

**Marlene Massaro and David Pratto Scholarship in Mathematics**
- Henry Charles Fontana - 2018

**Collin Starkweather Award in Mathematics**
- Megan Hannah Collins—2019

**Sieglinde Haller Scholarship**
- Sebastian Bozlee - 2018, 2019
- Andrew James Campbell - 2019
- Daniel Everett Martin - 2018, 2019
- Hanson William Smith - 2017
- Patrick Michael Wynne - 2020
- Zhenhua Wang - 2017, 2018

**W. J. Thron Summer Fellowship**
- Mark Pullins - 2017

**William N. Reinhardt Fund**
- Mark Pullins - 2019

**University Summer Fellowship**
- Katharine Lauren Marie Adamyk - 2018
- Andre Davis - 2020
- Andrew Scott Healy - 2016, 2018
- Trevor Jack - 2018, 2019
- Saeed Khalili - 2017, 2018, 2019
- Taylor Joseph Klotz - 2016
- Ali Lotfi - 2017, 2020
- Caroline Liggett Matson - 2019
- Jonathan Randall Quartin - 2020
- Tyler Schrock - 2018, 2019

**Richard Laver Graduate Fellowship Fund**
- Caroline Liggett Matson - 2018
- Mark Pullins - 2016

**The Adele V. Leonhardy Memorial Scholarship Fund**
- Katharine Lauren Marie Adamyk - 2017
- Andrew Scott Healy - 2017
- Taylor Joseph Klotz - 2017
- Sangman Lee - 2020
- Ali Lotfi - 2018, 2019
- Caroline Liggett Matson - 2017
- Mark Pullins - 2018
- Hannah Jean Rieder – 2017
Pi Mu Epsilon (PME) Math Honor's Society

Crossland Joseph Beer
Susan Edith Born
Jonathan Micah Bosnich
Anthony Maurel Carroll
Xiaoliu Chen
Megan Hannah Collins
Ram Diego Ekstrom
Sergey Gitalov
Braden Thomas Griebel
Briana Jo Hackos
Jason Linnebjerg Haw
Kevin Charles Headrick
Liam Richard David Merz Hoffmeister
Ryan Andrew Mike
Megan Elizabeth Nelson
Justin Nicoski
Simon D. Pasillas
Arthur Charles Denis Pellegrino
Connor Ries Plooy
Dante Antonio Salas
Alexandra Hope Schwein
Erin Isabella Smith
Jade VanAusdall
Megan Elizabeth Walters
Alison Michelle Weinberger
Megan Grace Wettstein
Donors to the Mathematics Department

The Mathematics Department is deeply grateful for the generous contributions by our donors. Gifts to the department make possible scholarships, awards, and more. Our alumni and friends are the cornerstone of future success for today and tomorrow’s students. If you are interested in becoming a donor we would love your support! Please contact our development coordinator Jenny Milligan, Jenifer.Milligan@colorado.edu, or Professor David Grant, grant@colorado.edu, to discuss options. You may also go to math.colorado.edu and click the “Give Now” button.

Thank you!

*This is not an official document. Names and recognitions may be subject to change.