

The Concordia College Mathematics  
and Computer Science

$$\ker \varphi = \{x \in G : \varphi(x) = 1\}$$

$$\ker T = \{\vec{v} \in V : T(\vec{v}) = \vec{0}\}$$

# Kernel

**kernel, n.**

The central component of an operating system.

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Friday, May 5, 2017

## Senior Salute

The Department of Mathematics wishes to congratulate all the seniors who are graduating this May in mathematics, computer science, mathematics & education, or mathematical finance!

### Math Majors:

- Michael Backer
- Nicholas Binger
- Chantelle Blackowiak
- Jason Burns
- Caleb Camrud
- Evan Camrud
- Angela Cole
- Casey Haack
- Kimberly Harmelink
- Nathaniel Harrison
- William Harvey
- Joseph Hendrickson
- Ellen Kinney
- Philip Manley
- Megan Marsolek
- Kira Rahn
- Nicolas Restad
- Annalise Savageau
- Kyle Stengel
- Katrina Teskey
- Grant Vagle
- Charles Welter

### Computer Science Majors:

- Chelsea Pritchard
- Mark Switajski
- Carl Tiede

### Math / Education Majors:

- Ashley Bachmann
- Kaila Juntunen
- Andrea Klug
- Sarah Olson
- Brittanie Watson

### Mathematical Finance Majors:

- Erin Andeweg
- Tyler Ringdahl

## Senior News

Thank you to the following seniors, who have told the *Kernel* their plans for after graduation!

**Erin Andeweg** ('17, Mathematical Finance) will be moving back to her hometown of Urbandale, IA and applying for full-time jobs.

**Ashley Bachmann** ('17, Mathematics, Education) has accepted a teaching job at Menahga Public Schools (MN).

**Michael Backer** ('16, Mathematics) is pursuing a degree in Engineering at North Dakota State University.

**Nick Binger** ('17 Mathematics; Data Analytics, Computer Science) is applying for data analyst positions in the Twin Cities area.

**Chantelle Blackowiak** ('17, Mathematics; Psychology) is a Financial Advisor at Northwestern Mutual in Minneapolis.

**Caleb Camrud** ('17, Mathematics, Political Science; Philosophy) will be pursuing a Ph.D. in Mathematics at Iowa State University.

**Evan Camrud** ('17, Mathematics, ACS Chemistry-Biochemistry; Music) will be pursuing a Ph.D. in Mathematics at Iowa State University.

**Angela Cole** ('17, Mathematics; Data Analytics) will be a Data Analyst at Hardwick Day in Bloomington, MN.

**Casey Haack** ('17, Physics, Mathematics) is unsure of his future plans.

**Kimberly Harmelink** ('17, Biology, Mathematics) is entering the Occupational Therapy program at the University of North Dakota.

**Willam Harvey** ('17, Physics, Mathematics) will be applying to Ph.D. programs in Astrophysics. During the upcoming year he plans to write and direct his own science-fiction film, working with several other Concordia students.

**Joseph Hendrickson** ('17, Mathematics) will be a pilot in the United State Air Force.

**Ellen Kinney** ('17, Mathematics; Data Analytics) will be a Data Analyst at Best Buy in Richfield, MN.

**Andrea Klug** ('17, Mathematics, Education) is applying for teaching jobs in Minnesota.

**Philip Manley** ('16, Mathematics; Data Analytics, Computer Science) is a Business Analytics Analyst at Carlson Rezidor in Minnetonka, MN.

**Megan Marsolek** ('17, Art-Studio, Mathematics) will be an English TA in the Mathematics Department at United International College (UIC) in Zhuhai, China.

**Sarah Olson** ('17, Mathematics, Education) is applying for teaching jobs in the Twin Cities area.

**Kira Rahn** ('17, ACS Chemistry-Traditional, Mathematics) will be pursuing a Ph.D. in Analytical Chemistry at Iowa State University.

**Nicolas Restad** ('17, Mathematics, Music) will be pursuing a Ph.D. in Mathematics at Kansas State University.

**Tyler Ringdahl** ('17, Mathematical Finance) has no plans as of yet.

**Annalise Savageau** ('17, Mathematics; Data Analytics) will be a Data Specialist at RDO Equipment Co. in Fargo.

**Kyle Stengel** ('17, Mathematics; Data Analytics, Computer Science) will be a Data Analyst Intern at Patterson Companies in Eagan, MN.

**Katrina Teskey** ('17, Mathematics, Philosophy) will be an English TA in the English Department at United International College (UIC) in Zhuhai, China.

**Grant Vagle** ('17, Mathematics, Biology; Environmental Studies) will be pursuing a Ph.D. in Interdisciplinary Quantitative Biology at the University of Colorado at Boulder.

**Brittanie Watson** ('17, Mathematics Education) will be student teaching this fall and will be applying for teaching jobs after that.

**Charlie Welter** ('16, Mathematics; Data Analytics) will be a Data Analyst at Archway Marketing Services in Fargo.

## Tomhave Honored

Congratulations to Dr. Tomhave, who was recently honored with the 2017 Student Government Association Faculty Distinguished Service Award. Dr. Tomhave has taught Mathematics and Education at Concordia for the past 32 years, and has also served the Moorhead community in several ways, including his current term as chair of the Moorhead School Board. Well deserved!

## Solution to Last Issue's Problem Corner

The solution to last issue's problem corner was *true by inspection*. Congratulation to Michael Dyrud for submitting the correct solution.

Editor: John Reber

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