

Below are more specific research areas along with the names of faculty members most closely involved, for the 2015-2016 academic year.

<b>Algebraic and Geometric Topology</b> <ul style="list-style-type: none"><li>▪ Laura Anderson</li><li>▪ Robert Bieri</li><li>▪ F. Thomas Farrell</li><li>▪ Ross Geoghegan</li><li>▪ Andrey Gogolev</li><li>▪ Christoforos Neofytidis</li><li>▪ Tam Nguyen-Phan</li><li>▪ Pedro Ontaneda</li><li>▪ Matthew Zaremsky</li></ul>	<b>Graph Theory</b> <ul style="list-style-type: none"><li>▪ William Kazmierczak</li><li>▪ Vaidyanathan Sivaraman</li><li>▪ Thomas Zaslavsky</li></ul>
<b>Algebra related to logic and computer science</b> <ul style="list-style-type: none"><li>▪ Fernando Guzman</li></ul>	<b>Group Theory</b> <ul style="list-style-type: none"><li>▪ Robert Bieri</li><li>▪ Joseph Brennan</li><li>▪ Benjamin Brewster</li><li>▪ Matthew Brin</li><li>▪ Ross Geoghegan</li><li>▪ Fernando Guzman</li><li>▪ Luise-Charlotte Kappe</li><li>▪ Marcin Mazur</li><li>▪ Matthew Zaremsky</li></ul>
<b>Arithmetic Algebraic Geometry</b> <ul style="list-style-type: none"><li>▪ Alexander Borisov</li><li>▪ Daniel Vallieres</li><li>▪ Adrian Vasiu</li></ul>	<b>Nonparametric Statistics</b> <ul style="list-style-type: none"><li>▪ Anton Schick</li><li>▪ Zuofeng Shang</li></ul>
<b>Bayesian Statistics</b> <ul style="list-style-type: none"><li>▪ Zuofeng Shang</li><li>▪ Ganggang Xu</li></ul>	<b>Number Theory</b> <ul style="list-style-type: none"><li>▪ Alexander Borisov</li><li>▪ Luise-Charlotte Kappe</li><li>▪ Marcin Mazur</li><li>▪ Daniel Vallieres</li><li>▪ Adrian Vasiu</li></ul>
<b>Combinatorial Geometry</b> <ul style="list-style-type: none"><li>▪ Laura Anderson</li><li>▪ Thomas Zaslavsky</li></ul>	<b>Partial Differential Equations</b> <ul style="list-style-type: none"><li>▪ Magdalena Czubak</li></ul>

**Combinatorics**

- Laura Anderson
- William Kazmierczak
- Vaidyanathan Sivaraman
- Thomas Zaslavsky

- Paul Loya
- Peng Shao
- Xiangjin Xu

**Geometric Analysis**

- Magdalena Czubak
- Andrey Gogolev
- Ye Li
- Paul Loya
- Tam-Phan Nguyen
- Pedro Ontaneda
- Peng Shao
- Xiangjin Xu

**Probability and Statistics**

- Withanage De Mel
- Vladislav Kargin
- Aleksey Polunchenko
- Xingye Qiao
- Anton Schick
- Grigory Sokolov
- Ganggang Xu
- Qiqing Yu

**Representation Theory**

- Alex Feingold
- Dikran Karagueuzian

**Geometric Group Theory**

- Robert Bieri
- Matthew Brin
- Ross Geoghegan
- Fernando Guzman
- Matthew Zaremsky

**Statistical Learning and Data Mining**

- Xingye Qiao
- Ganggang Xu

**Geometry of Manifolds**

- F. Thomas Farrell
- Andrey Gogolev
- Christoforos Neofytidis
- Tam Nguyen-Phan
- Pedro Ontaneda

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