Department of Mathematics
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David White

Curriculum Vitae

THIS DOCUMENT IS A DRAFT

Research

Broadly speaking, my area of focus is low-dimensional manifold topology. My research focuses on applications to problems in this field of Floer theory, such as

- Heegaard Floer homology,
- Knot Floer homology,
- Symplectic instanton homology,
- Singular instanton knot homology.

Education

2007–2011 **B.A.**, *Duke University*, Durham, NC
Philosophy and Mathematics

2017–present **Ph.D.**, *North Carolina State University*, Raleigh, NC
Mathematics

Teaching

All courses given at NC State.

Primary instructor

Term	Course
2021 Summer 2	Topics in Contemporary Mathematics
2019 Fall	Calculus III - Multivariable calculus
2019 Summer 2	Topics in Contemporary Mathematics

Teaching assistant

Term	Course
2021 Fall	Survey of Geometry
2021 Spring	Calculus III - Multivariable calculus
2020 Spring	Calculus I - Single-variable calculus
2019 Spring	Calculus III - Multivariable calculus
2018 Fall	Calculus I - Single-variable calculus

Languages

French Intermediate *Proficient reader, intermediate to advanced listening comprehension, developing speaker*

Computing

LaTeX
SymPy
Mathematica
C
Java
PHP
CSS
`bash`
Git
Vimscript
Linux
Maple
MATLAB
C++
Python
HTML
Javascript
`zsh`
VisualBasic