Nancy Scherich

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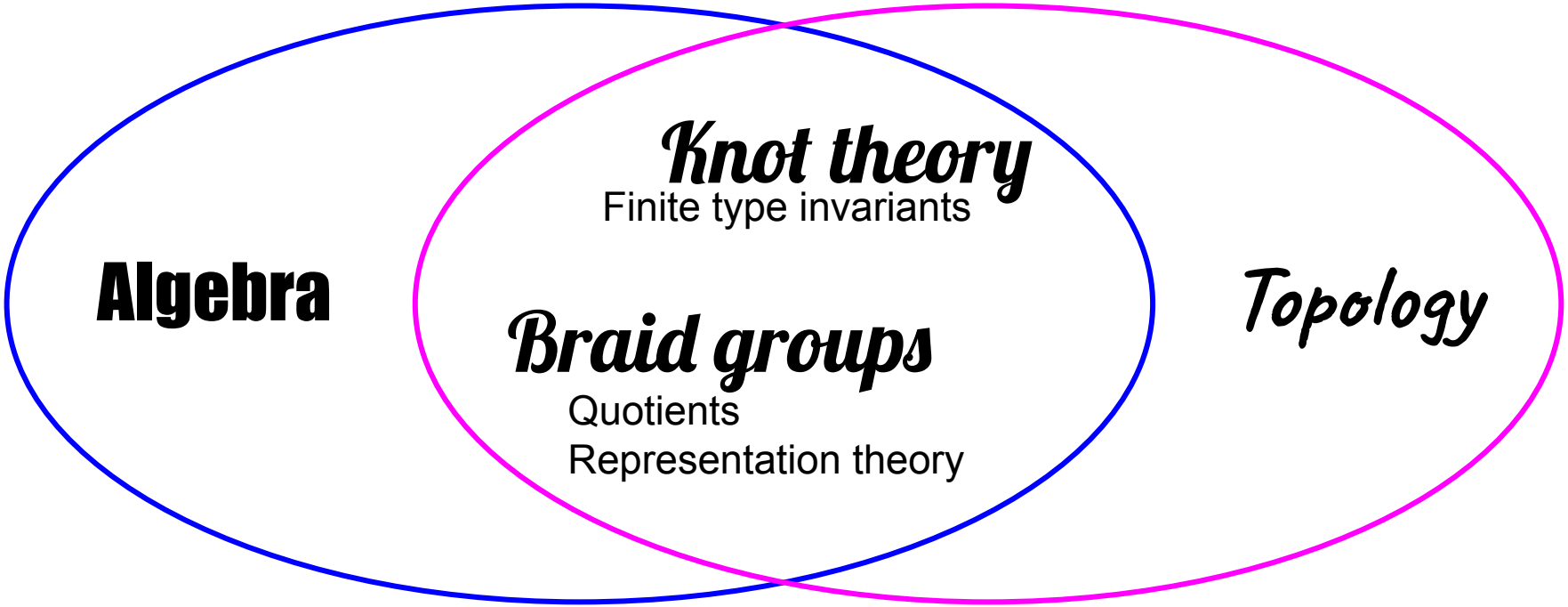
Univers of Toronto, postdoc 2020-2021

Wake Forest University, VAP 2019-2020

University of California Santa Barbara, PhD 2019

Research Interests



Braids!

- Specializations of the Burau representation
  - Integral Burau $t=-1$, look at kernels mod m
  - t=real number, look at structure of image
  - t=root of unity, topological quantum computing

- Virtual and Welded Braid groups
  - When does a representation of a classical braid group extend to the virtual or welded braid group?
  - Long-Moody construction for welded braids

- I'm writing a survey paper about the Burau Representation. Come talk to me about cool/weird Burau facts you might know.

Hobbies

I like to make dance videos about math.

Let me know if you are interested in collaborating with me!