Learning Seminar on Skein Lasagna Modules
Co-facilitators: Mira Wattal and Gage Martin
Location/Time: Maloney 560 at Boston College and over zoom 4-5PM ET Tuesdays (passcode: garfield)

Syllabus:

1. 9/24: Introduction [Section 1, MaNe] **Mira Wattal**
2. 10/1: Khovanov homology I; definition [Section 3.1-3.5, Ra] **Edward Isayev**
3. 10/8: Khovanov homology II; functoriality [Section 3.7, Ra] **Gage Martin**
4. 10/22: Kirby diagrams and 4-manifold calculus [Part 2, GoSt] **Harshul Khanna**
5. 10/29: Skein lasagna modules [Section 2, MaNe] **Mary Stelow**
6. 11/5: Cabled skein lasagna [Section 3, MaNe] **Mira Wattal**
7. 11/12: Skein lasagna modules for 2-handlebodies I [Section 4, MaNe] **Gage Martin**
8. 11/19: Skein lasagna modules for 2-handlebodies II [Section 4, MaNe] **Gage Martin**
9. 12/3: Examples I; unknot with zero framing [Section 5, MaNe] **Mira Wattal**
10. 12/10: Examples II; unknot with non-zero framing [Section 6, MaNe] **Gage Martin**

Resources:

- Skein Lasagna for 2-Handlebodies [MaNe]
- 4-Manifolds and Kirby Calculus [GoSt]
- Lectures on 3-Manifolds [Sa]
- Knots, Polynomials, and Categorification [Ra]
- On Khovanov's Categorification of the Jones polynomial [BN]