RTG Seminar Winter 25 Outline

January 28, 2025

- 1. February 3: Introduction Kartik
- 2. February 10: Classical Theta correspondence (§2.1 and §2.2) Yusheng
- 3. February 17: Siegel-Weil formula and Rallis inner product formula (§2.3 and §2.4) Jialiang
- 4. February 24: Theta dichotomy (§2.5) Elad
- 5. March 10: Unitary Shimura varieties (§3.1) Calvin
- 6. March 17: Special cycles and generating functions of special cycles (§3.2 and §3.3)
- 7. March 24: Geometric modularity, geometric theta lifting and Kudla-Millson theory (§3.4 and §3.5)
- 8. March 31: Geometric Siegel-Weil and geometric inner product formula (§3.6 and §3.7) Pam
- 9. April 7: Arithmetic modularity and special cycles on integral models (§4.1 and §4.2) Alex Bauman
- 10. April 14: Modularity in arithmetic Chow groups (§4.3)
- 11. April 21: Arithmetic Siegel-Weil (§4.4)
- 12. April 28: Arithmetic inner product formula (§4.5)