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## (2nd lesson) Mapping class groups of 4-manifolds

*Tuesday, 23 September 2025 11:30 (1 hour)*

I will introduce the topic of mapping class groups of 4-manifolds, which can be studied using algebraic topology, gauge theory, and geometric methods. I will survey what is known, give an outline of some of the methods of proof, and highlight some open questions. I will particularly focus on pseudo-isotopy theory.

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