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Flows of Spin(7)-structures

Thursday 20 February 2025 16:30 (30 minutes)

We will discuss the negative gradient flow of an energy functional of Spin(7)-structures on compact 8-manifolds. The energy functional is the L2-norm of the torsion of the Spin(7)-structure. We will talk about the short-time existence and uniqueness of solutions to the flow. We will also explain how this negative gradient flow is the most general flow of Spin(7)-structures.

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