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Curvature of the moduli space of G_2 metrics

I will talk about the geometry of the moduli space \mathcal{M} of holonomy G_2 metrics. In particular I will discuss the Hessian metric structure, the Yukawa coupling, and the sectional curvature of this moduli space.

This is a combination of past work with Conan Leung and new work in progress with Christopher Lin.