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Gravity properad, moduli spaces M_g,n, and string topology

Wednesday 31 August 2022 11:00 (50 minutes)

Using Thomas Willwacher's twisting endofunctor, and Kevin Costello's theory of partially compactified moduli spaces of algebraic curves of arbitrary genus with marked points, we introduce a new dg properad which contains Ezra Getzler's operad controlling genus zero moduli spaces. We discuss its applications in the theory of moduli spaces M_g, n, and in string topology

Presenter: MERKULOV, Sergei (Luxembourg)