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A unique connection for Born geometry

In this work, we prove an analog of the fundamental theorem of Riemannian geometry for Born geometry, which describes a target space of a manifestly T-duality covariant effective string theory. We show that there exists a unique connection which preserves structures of the Born geometry and which is torsionless in a generalized sense. This resolves a fundamental ambiguity that is present in the double field theory formulation of effective string dynamics.