

Diffeomorphism Invariance and Local Lorentz Invariance

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Abstract. We show that diffeomorphism invariance of the Maxwell and the Dirac-Hestenes equations implies the equivalence among different universe models such that if one has a linear connection with non-null torsion and/or curvature the others have also. On the other hand *local* Lorentz invariance implies the surprising equivalence among different universe models that have in general different G -connections with different curvature and torsion tensors.

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