

100(15) : Self-Inconsistency of General Relativity

Bianchi Identity

$$D \wedge T := -\nabla \wedge R$$

Cartan Geometry

Hodge Dual

$$D \wedge \tilde{T} := -\nabla \wedge \tilde{R}$$

$$D_{\mu} T^{\kappa\lambda\nu} := -R^{\kappa\lambda\nu}_{\mu}$$

Geometry of the gravitational Field

EH Theory,
 $\nabla \wedge R = 0,$
 $T = 0$

Christoffel Symbol
 $\Gamma^{\kappa}_{\mu\nu} = \Gamma^{\kappa}_{\nu\mu}$

Implies
 $\Gamma^{\kappa}_{\mu\nu} \neq \Gamma^{\kappa}_{\nu\mu}$

$$T^{\kappa\lambda\mu\nu} = 0$$

$R^{\kappa\lambda\mu\nu} \neq 0$
except in Ricci flat vacuum

Contradiction

No Big Bang, No Black Holes, No Dark Matter