

## COMMUTATOR AND CONNECTION

The basic equation is :

$$[D_\mu, D_\nu] V^\rho = - \Gamma_{\mu\nu}^\lambda D_\lambda V^\rho + \dots \quad - (1)$$

If  $\mu = \nu$   $- (2)$

$$[D_\mu, D_\nu] = 0 \quad - (3)$$

and  $\Gamma_{\mu\nu}^\lambda = 0$ .  $- (4)$ .

The basic error in the Einstein field equation is :

$$\boxed{\Gamma_{\mu\nu}^\lambda \neq 0, \mu = \nu} \quad - (5)$$

This would mean :

$$\boxed{[D_\mu, D_\nu] \neq 0, \mu = \nu} \quad - (6)$$