Let's compute []. DuJY! to obtain the Rieman wireture and the torsion tensor = Prove - Or Or Ve = Du (Juyp + Planys) - Zmas) = 7, (4, 0 + fly) - 2 m (40) = Vr yPo + Vr fPv = du gov + Plangu - Pougla + du flo + Plan for - Pon fla - Lueuy = du du VP + PPanduVd - PdundaVP + 2 (PPOVP) + PPON PROVP - Pan PPON VP - ENGN) = du dove + Plan do Va - Par da Ve + de Plan Ve + Plandy P+ Plan Pan VP - Pon Plan Pan P [2 22 VP+ Pauduvd- Paudave 2 Pen Ve + PPproduve + PPau Paprve - Par PPpa Ve]

= - Par Jaye + de Per Ve + Plan Par Ve - Par Peave - [- Pau Jave Julen Ve + Plau Pape Ve - Pau Pea Ve] Dave = Dave + Prave = Juppy VP+ PPar Par Par VP - Pdyn [JavP+ PPa VB] - [du PPpn VB + PPau Pdpn VB - Pdn [da VP+ Ppa VB]] = on Plan Pan Pan Dave - Pan Dave - du Plen VP - Plan Paper VP + Pan Dave = [dur Bu - dur Bu + Partau - Plan Pan JVB + Pave [Pd - Pd] = RP VUB VP + 2 TX VP TX where Rappy is the Rieman wevertire tersor and LTd m= Tdm- Tdm is the forsion tensor.

