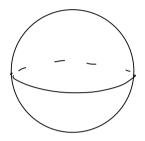
Approaches to coverture

- · parallel transport ordund 52
- · q'in normal corels
- · Integrals. 1 Ary

Pecal Thu Gues construe is indivinic. Another way to see this:

Parallel troupport

W= (= T5) i.e. π√2 = 0 7 W =0



Thut Equal for toughest surfues. ble $\nabla = \pi(\overline{\nabla})$ so equal (+ π is the some.

Ex latitude love of glave

& between I went 4= 3- p

flow to Fright &?

25-0

LAN = Jarsin x x= 2- +

I us O: coureation w von-commeting of 2nd deriverties.

Drn & E'is a do/n and D'is a connection on E, then
the considere SL of D'is the End(6)-valued 2-form

SUX, We = V, Tre- Tr Dxe- Trine

· drede 2-Rom (i.e. check = 0 Ro total comertion)

(de 15 A & St (GudE)

5200 ij = (Vi-Ai)(Vi-Ai)e-(Vi-Ai)(Vi-Ai)e

= ViVj-Djoie

+ On (Aje) - Aj Die

- Vikie) - Ai Vie

- (A; Li - A; A; De

= 52 + (V; A; - D; A; + CA; A;])e

Thun E has a local Svous of - That sections will V

t Locally, 7=2-A

SC = 2, A; - 2; A; ~ (A; A;)

Tecal (ledure 17) this is the [,]=0 Rur vester exels

Q = F. A. 2 2 + 2 xi

on nux GL-R

IF E=TM, re unde SIR Slight Rige PiVide - ViDide = 2n Pille Then R=0 => M'is boally isometer to Ru TR => Th=R, D= l by lesi- Cion fuce. PTE Let E; be a Plat Brone, O' Sual France.

l(E:, Ei) = 0 ble woterc

lon(x,1) = AH(Doi) by hu using torsion. Rue

- indegrade to coords ye.

Metric tuener in these coards is beij.