Coverious Dornatice

- Res Guranolde d' R
- gallback (soudles

Executation, "integration, Stokes then.

Preside (precide

- . Fruigh covedors
- · Alogrent Vieur wilds
- · Justic (Euroturn)
- · Wash embedding

AFTER break

AH, symmetric

Clarbications on its

1) Prop E ub. E'= E sub-bondle => E/E' is a de toude althousent under the contate E:=(E') + n E toude althousent under the contate E:=(E') + n E toude althousent under the contate E:=(E') + n E

- s lead is us (The) (E+)

None COEz = 10" OTE", so this is do a uls.

Puls 1 Such (ite Par TS, T'S is undered a complished to S - (15) where we isomorphism (P, w) - (de en) we cooks unliker, but admily wice of Pulback.

IF F:5-3, god une of bondles IF: TS -> F*TS (a, Va) = AFeVe = Tres S

F &= R, K+TE = R constrally

get D: TS - TR; It gotton of T'S! Pulling back is we wirm sections

Dt: 5+TS ___ T+S combried a)

X: sed (5) -> sed (*\$))

ones map which we call ft. soc(T*\$) -> soc(T\$) Charle: "F 4:5-52, F. S-512 &(Por) = DS Re => (+ DF = 2(F-ce)

Tuck (F(x'_xd) bc. cools on 5, then de'_-dr' trivialize 75 (3, ... 30) tolu. TS

sometimes written I, or g. IF S = TO", the Strot Fund form I is a cection of D2TS vilide is squaredic and gostine detine The Newh I just Dies constating this w/ its coord expression.

Den A Memoruran metriz on a montold is a gan, pos Det aldson et 827+5. Usually called g. 1954 causeded to the embedding!

But gros Evy worked has a Prem metric (choose cuts, take Erret 85.)

Then (Vach) Envy Vous. wold has an embedding Juhich (4 450mator) (1.2, 4.6, 9=I)

Abstract Premounton (nontrolls: Tecall IF So:= II lett, DESo+So divin d (closed uning of lower d). Soft 's an abstract inted of down d. (very. 7)
Abstract Premounton (nondolds!)
Recall (7 So:= I sounday)
Chis au abstract wild of sound
(very, To)
In such case a section of (Sole) is the some as a certion
of T'S, whose two pull-backs to the agree (c.f. exercíses)
(et a etyle 10-dividule)
Tener algebore A collection of vatural usis on S, i.e. set. a (a) a style is direction (a) a style is direction (a) a style is direction (b) son S, i.e. set. a (b) see S ; i.e. set. a
Asser 5-3 'indues on ison (6)
Multilhear Comes on
9: Ux - x V - R
- The land coads 53
CALLA XX O
The tonew algare of I've concatenation: Not commitative!
The tonger algebra of 1'14 concatenation: Not committee!
a glivelization:
(NeV) = reh
- EN D'U & D'U T
7,8eN
KU TTT, on elt is eg. dr'o Die dx all dr's Rout,
1000 1100) = Find (U)
2008 De Die Constitution of the second of th

Condraitson: VEVT - TZ (s the trace.

Biodic La Si

extands to tensor algebra.

Pry græn, D(7507+5) '16 a vb. on 5, ond knætval one.

Getsons ove tengar Brelds for søndrnes just tensær).

Mult - contr. ore nætvæl.

Ernstein usterform

State of the Shirt of th

· fenciorny conector

(coord (ruewion) which of.