

Roberty: The control of the control of the following for the control of the cont
(Un, h) s.t. YO Y-: hu (For Mo) = \$ or (phxp
(Fo >) nh x(*)
Ex: Flor lines of a non-remoting before titled are n-trensum foliating
$M=T^2$ If slope $\in (\mathbb{R}-)$ leave are compate $(+ \{bope \in \mathbb{N} \mid \mathbb{R}-\})$ is noncompact
If h=n-n =) 5 = U TeF(P) D a hyporphine foodd
"every foliation of when I where a hyperplus told"
Wither does a hyperplane come how a foliation?"
Teom 2 [Framins]
Ker (a) = 3 (T) is manuel by a forum (=) a A d a = 0
digressivi en: to 1- Form in lin
Let xy,, to be coordinates on)
tion a soons of Tpm
$\begin{array}{lll} \text{Nucl book} & \text{dist}, -, \text{dist}, & \text{dist} & \text{dist} \\ \text{As}_{i} & (\text{dist}) = \delta_{ij} \\ \text{As}_{i} & (\text{dist}) = \delta_{ij} \end{array}$
he han B: (To M) x x (Ty) IR autiliseer alternating
the first
1 - towns N = 5 ()
A - CA II or AB - det to be linear
$\mathcal{L}_{\mathcal{A}}}}}}}}}}$
Dilhentral (htn) - Forms
$\sum_{i} c_{i}(\rho) d\gamma_{i} \longrightarrow d\alpha$
$ \underbrace{\begin{cases} \frac{\partial \mathcal{L}_{i}}{\partial x_{j}} & \lambda x_{j} & \lambda x_{i} \end{cases}} $

 $\frac{\text{tex}:}{\text{d} x} = \ln^2(y_{y_1 z_1}) \propto dx$ =) \alpha / da con from a foliable $(2) \quad \alpha = \times d_{7} + d_{2}$ $d\alpha = d(xdy + dz) = d(xdy) + d(dz) = \frac{\partial^{*}}{\partial x}dx dy + \frac{\partial^{*}}{\partial y}dydy$ ornda= (xdy Ldz)n (lxndy)= xdyn(dxndy) + dzndxndy an (da) - andan. ndo * of D carled contact form If the reels vector fireld R_{α} of α is demy $\begin{cases} \lambda_{\alpha}(\Lambda_{\alpha}, 1) \equiv 0 \\ \alpha(\Lambda_{\alpha}) \equiv 1 \end{cases}$ nerwh: 91 (da)" w = vol fun >) (o new Nor * $\frac{1}{3}$ = her (α) - her (α) - α = $f\alpha$ for f: -> In {o} $\Rightarrow \alpha \wedge (d\alpha)^n = (+\alpha) \wedge (d(+\alpha))^n =$ fan (far + dfna)" $= \int_{0}^{n+2} \sqrt{(Ja)^n}$ Rais well-defined;

or N (day) fo =) (day) fo =) day his rank zn

zndamon =) rev (day) is n-dn

zm/le & or fo on ker(day)

Worston (on : (closed =) It control for a an or la a perote orst 10 (+1, 41, 1-1/2, 17m, Z) Ex (1) (ononler Standard contact Structure Sst = Ker (Ost) $\alpha_{st} = \left(\begin{array}{c} 2 \\ 5 \end{array} \times \lambda_{\gamma_i} \right) + \lambda_{z}$ = ({ x,dy, +dz) / (d({ x, 1, + 1, 2))" = ({ x, 1, + 1, 2 }) / ({ d x, 1, dy,)" and a (dast)" = ({ x dy; + dz) 1 [dxindy: n dx6 ndy; \(\lambda dxindy: \) \(\lambda dxindy: \) = dz / n (d x, ndyn / duz/ drin... n / h, n / n) - n | d x, ndyn / duz/ drin... n / h, n / n / z & f 0 Compre Rost = $(\{A, J, +B, \partial_{7}\}) + C \partial_{7}$ $d_{est}\left(\bigcap_{st} st, e \right) = \left(A_{i} d_{7i} - B_{i} d_{5i} = 0 \right)$ $A_{t} = (n_{st}) = c + c_{sin} = 1$ One solution: $N_{orst} = \partial_{\frac{1}{2}}$ (2) $S_{yy} = her \left(\frac{S}{2} \left(x_i d_{yi} - y_i d_{xi} \right) + d_{\frac{1}{2}} \right)$ Horsework: This is a constact smuchne · Ra = 72. · for n=1: toan this · read milher: Topology for a alternal very int Jelby Lee