$[a,b] \longrightarrow \gamma(t), t \in [a,b], \gamma \in C', |\gamma|t$: [a,b]x[c,d] ~ F(u,v) (a,B) = R 1- (Uo, Vo) BER tu u tv kre konmheaponer

 $S: \Gamma(u, \sigma), u \in La, b3, \sigma \in Lb, c3, [Tu, Tr] \neq 0, \Gamma \in C$ b Hon congrae Frenzolaemae (zaagnon, peryrepnon)
hafanempagaguen (zemenmapnon) holer px mocru S. (1') regularonce brympernum napamempame 2 na nobepsuocen S. Bagen, (X) - Zamr. upubli Samcam rapar.

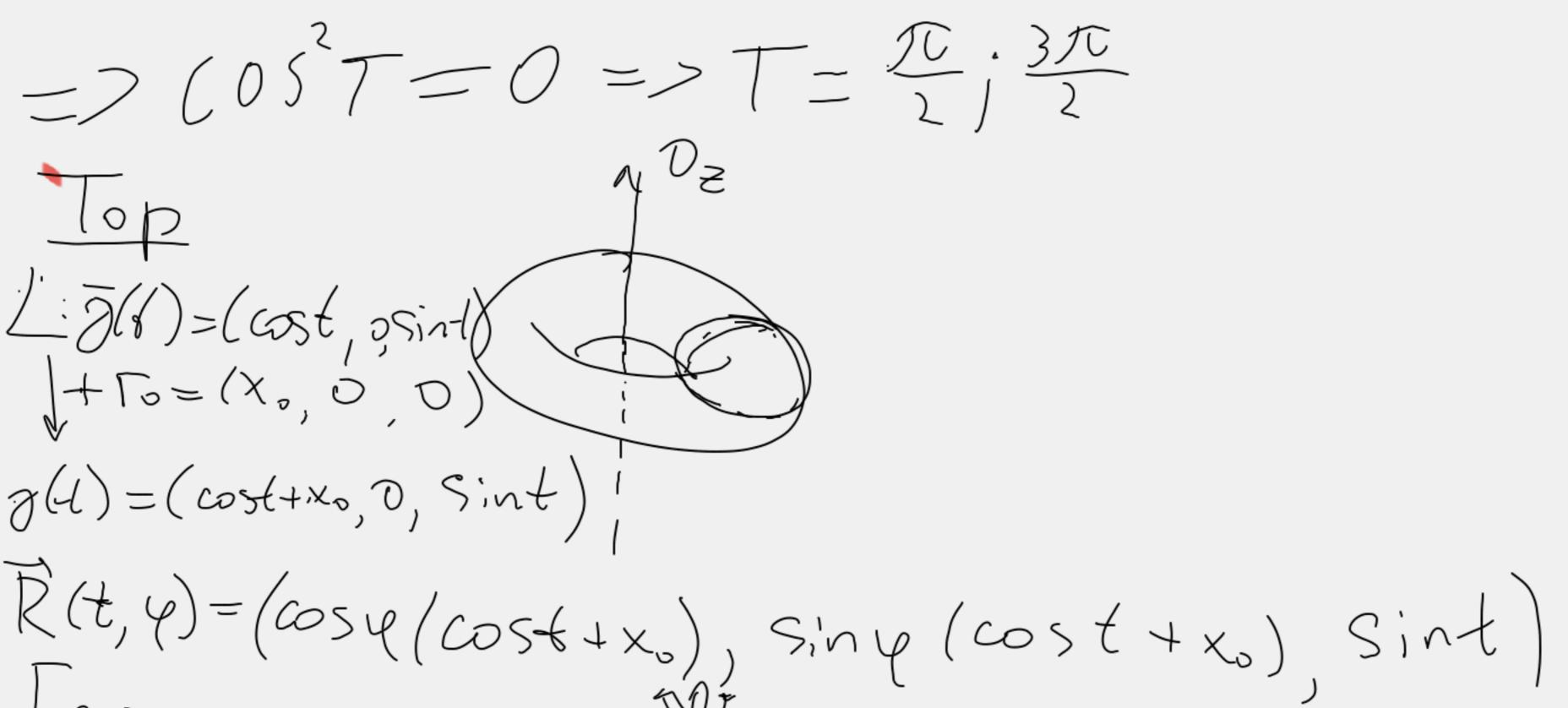
Nobepxnoum, nongraeum.

hope glussem y hapanenso l $S: \Gamma(+,T) = \gamma(+) + Ta$

Mapan. nonzer. $S = f(t) + T(r_0 - \chi(t))$ $\Gamma_t = J'(t) - TJ'(t) |(t, \tau) = (0, 1)$ 17= fo - 2(4) To +UTE +UTT = R(U,V)-kaca=nnoch. LS

Carepa $\gamma(t) = (Gost, 0, Sint) te(0, 277), Te(0, 277)$ f(t) = (cost cost, cost sint, sint) f(t) = (-sint(ost, cost cost, 0)) $f_{\tau}' = \{costsin\tau, -sintsin\tau, cost\}$

 $\begin{bmatrix} \Gamma'_{t}, \Gamma'_{T} \end{bmatrix} = (costcos^{2}T, sintcos^{2}T, sintcos^{2}T, sintcos^{2}T) = 0$ $|[\Gamma'_{t}, \Gamma'_{T}]|^{2} = (ostcos^{4}T + sintcos^{2}T + sintcos^{2}T + sintcos^{2}T = 0 = 0$



Le ruxouar Consoluer molesporours) Siny (cost +xo), Sint) $g(t) = (a cost, a sint, t), t \in \mathbb{R}$ $f(t, u) = (a cost, a sint, t), u \in [0,1]$

Mucz Médhyce 1. Tge napamenpyersu went or mi Tuytes R(u,v)=((xo+acosu)cosv (Xo + acosu) Sinv Kepergue ma 2. Hair in Lu H $= ((x_0 + a \cos \frac{y}{z}) \cos u)$ $= (x + a \cos \frac{y}{z}) \sin u$ 1. Mis Tuyca a 5/2 = $\mathcal{M}(u,v)=v_{\mathcal{J}(u)}-(1-v_{\mathcal{J}(u)})$