Dugpapepenguanoriaa reanempua

$$|dl|^2 = dx^2 + dy^2$$

 $\geq yubb D = T$

$$dl^{2} = Z^{2} d\theta^{2} + Z^{2} \sin^{2}\theta dy^{2}$$

$$\geq y \cos \Delta \neq T$$

$$dl^2 = g_{ij} dx^i dx^j$$
 ($i = 1,...,d$)

Lenguera - menzop.

6 boiopannoù CK - mampuya d×d copera: dl= good02+ goodq2

$$\begin{cases}
g_{\theta\theta} = z^2 \\
g_{\phi\phi} = z^2 \sin^2\theta
\end{cases}$$

$$\Gamma_{\beta \delta}^{\lambda} = \frac{1}{2} g^{\lambda b} \left(g_{b\beta, \delta} + g_{b\delta, \beta} - g_{\beta \delta, b} \right) \qquad \text{cumbarbit}$$

$$(\lambda = 0, 1, 2, 3) \qquad g_{b\beta, \delta} = \frac{3g_{b\beta}}{3 \times \delta}$$
The true interests the second sec

$$g^{\alpha b} = \left(g^{-1}\right)^{\alpha b}$$

$$\begin{bmatrix} R_{\lambda\beta} = \Gamma_{\lambda\beta,\delta} - \Gamma_{\lambda\delta,\beta} + \Gamma_{\delta\delta} & \Gamma_{\delta} - \Gamma_{\beta\delta} & \Gamma_{\delta} \\ \Gamma_{\lambda\beta,\delta} - \Gamma_{\lambda\delta,\delta} & \Gamma_{\lambda\delta,\delta} \end{bmatrix}$$

menzop Zurru

$$R = R_{\alpha\beta} g^{\alpha\beta}$$

$$G_{\alpha\beta} = R_{\alpha\beta} - \frac{1}{2} \cdot R \cdot g_{\alpha\beta}$$

Обизая медия описименьности

parmeguerue marris reamempus reonempus - gbusulture mooth, men

CTO: $ds^2 = c^2 dt^2 - dx^2 - dy^2 - dz^2$ $ds^2 = g_{\alpha\beta} dx^{\alpha} dx^{\beta}$ $\alpha = 0, 1, 2, 3$ $g_{AB} = (c^2, -1, -1, -1)$

TuB GLB = 8 TG TLB JUNIUMEUHA <u>0 T 0</u>: G-yrab nocm. $T_{\alpha\beta} = 0$

gap = const