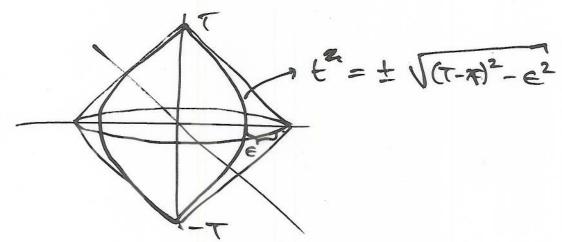
GHY-BT from diamond in M2 (COMMUNIC)



2: SCF(r) = f2 - (T-x)2 + e2 = 0

Np & Vp 8 & (t, T-x, a)p

 $N^2 = 11 \Rightarrow N_P = \frac{1}{\epsilon} (t, T - r, 0)_P$

K = gt Vra = gtofno - gt Trong naby Tot

Tru = 0, Tor = Trr = 0, Too = - 1

 $K = \frac{1}{\epsilon}(-1-1) - 9 \cos n = \frac{1}{\epsilon} (-1-1) = \frac{1}{\epsilon} (-1-1)$

 $h_{\Gamma V} = g_{\Gamma V} - N_{\Gamma} N_{V} = \begin{pmatrix} -1 - \frac{\xi^{2}}{2} & -\xi(\tau - r)/\epsilon^{2} & 0 \\ -\xi(\tau - r)/\epsilon^{2} & 1 - (\tau - r)^{2}/\epsilon^{2} & 0 \end{pmatrix}$

Wh = (-1- t2/e2) (1-(T-r)2) r2 + t(T-n)/e2 x [-t(T-n)/e2 x r2] = - $\left(1 + \frac{\xi^2}{\epsilon^2}\right)\left(1 - \frac{(\tau - r)^2}{\epsilon^2}\right)r^2 + \frac{\xi^2(\tau - r)^2 r^2}{\epsilon^2}$ $=-r^2\left(1+\frac{\xi^2}{\epsilon^2}-\frac{(T-r)^2}{\epsilon^2}\right)$ =- 52 [E2 + E2 - (T-1)2] = 0 of caree... Adhello need to revere the r-cohs/rows since hij = dxd dxs dxs ad for Xt = (E(O) we get the determinant

Now X = (+,+(T + \t2 + e2, 0). Admelly, using theller coordinate controls or r=T scens

men cerveinent.

$$X'' = (e^{\frac{\pi}{3}} \sinh_{\chi} Te^{\frac{\pi}{3}} \cosh_{\chi}, \Theta) \cdot \text{the s=0}$$

$$h_{ij} = \frac{\partial x''}{\partial x^{i}} \frac{\partial x'}{\partial x^{j}} g_{r} \qquad x^{i} = (\eta_{i} \Theta)$$

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$$h_{ij} = \frac{\partial x''}{\partial x^{i}} \frac{\partial x'}{\partial x^{j}} + e^{\frac{\pi}{3}} \sinh_{\chi}^{2} = -e^{\frac{\pi}{3}}$$

$$h_{ij} = 0$$

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$$h_{ij} = (-e^{\frac{\pi}{3}} \cosh_{\chi}^{2} + e^{\frac{\pi}{3}} (T - e^{\frac{\pi}{3}} \cosh_{\chi}^{2})^{2})$$

$$h_{ij} = (-e^{\frac{\pi}{3}} \cosh_{\chi}^{2} + e^{\frac{\pi}{3}} (T - \cosh_{\chi}^{2})^{2})$$

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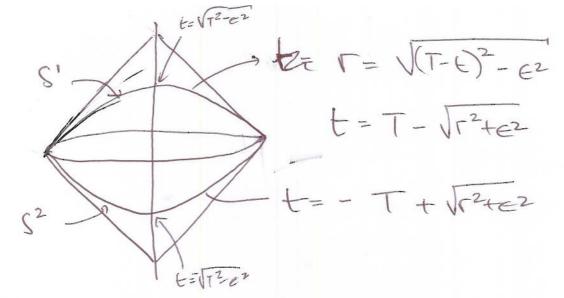
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Nou we evaluate Stak = Sall Jan Jan tuax = |t(0)| = VTZ-EZ Now tuin = - (HO)/ = - VT= =2 June = Suh' (treex) = Sinh' (TZ-EZ) = Cush-1(T/E). Jfh K= 2 dy er x = (=-3) -al. (Me) = In Sdy (T-3r) = In Sdy (T-3(T-eashy)) = In [Be sinh (cosh-'(T/e)) - 4T cosh-'(T/e)] = 20 [6e V=2-1 - 4 T cosh - (Te)]



$$\frac{t^2}{4\pi^2} = S_1(\pm_1 x) = r^2 + \epsilon^2 - (\mp - t)^2 = 6$$

$$S_2(\pm_1 x) = r^2 + \epsilon^2 - (\mp + t)^2 = 6$$

$$(n')^2 = -(-1)^2 - \alpha_1^2 (T - E)^2 + \alpha_1^2 = -1$$

=)
$$\propto = \frac{1}{6}$$

$$(N^2)^2 = -1 \Rightarrow \alpha_2 = \frac{1}{\epsilon} \cdot \left[\frac{N^2 - \frac{1}{\epsilon}(-T - \epsilon_1 r_1 o)}{N^2 - \frac{1}{\epsilon}(-T - \epsilon_1 r_2 o)} \right]$$

=)
$$\propto 1 = \frac{1}{\epsilon}$$
 $|n|_{r=\frac{1}{\epsilon}}(T-\epsilon_{1}r_{1}o)$
 $|n|_{r=\frac{1}{\epsilon}}(T-\epsilon_{1}r_{1}o)$

$$k_1' = -\frac{1}{\epsilon}(-1) + \frac{1}{\epsilon} - \frac{1}{r^2}x(-r) \times \frac{r}{\epsilon} = \frac{1}{\epsilon}(2+1) = \frac{3}{\epsilon}$$

$$K^2 = -\frac{1}{\epsilon}(-1) + \frac{1}{\epsilon} - \frac{1}{r^2}(-r) = \frac{3}{\epsilon}$$

Calculate I= Ss, Vh K, : Vel XP= (T-e cosha, e sainha, 6) Where S'=0 = 37= lue. So S' is paraulical by 1 & 0, tothe new herry spatial cerrolinater. hy = -1 x sight 1e+1 x e 2 cosh 1 = e = e2 h10 = 0 hos = -2 (= e 27 sinh) = e 2 sinh). V+h= re. Softe the = 2th t=0 =) 1= accorl(=) Integration limits: 80 Aunt - 0, frux = ash (E). t= 12=2 -) 1=0 (mu ra) 1=0).

do Juni = 0, Macx = cosh-1(T/e). Juli = 20 July rex x = = Btief oly sinh = 6TTE [cosh of (cosh (T/e)) - [] = 6TE [= -1] = GT [T-E] does to matel - the OCD For - clouble doch this. th O calculata (i.e. the priviar ale could give the ran rent of to revoluel'salia")