$$2(z) = \sqrt{1-2^2 + \ln (1+\sqrt{1-2^2})}$$

$$ds^2 = dx^2 + 2^2 dy$$

$$dz^2 = 2\sqrt{1-2^2} dz$$

$$ds^2 = (1+(\frac{1-2^2}{2\sqrt{1+2^2}})^2) dz^2 + 2^2 dy^2$$

$$= \frac{1}{2^2} dz^2 + 2^2 dy^2$$

$$Gi = 0$$

$$Gi = 0$$

$$Gi = 2$$

$$Gi = 3$$

\[ \frac{2}{2} = \frac{2}{2} \\ \frac{2}{2} = \frac{1}{2} \\ \frac{2}{2} \\ \frac{2}{2} = \frac{1}{2} \\ \frac{2}{2} = \frac{2} \\ \frac{2}{2} = \frac{2}{2} \\ \frac{2}{2} = \frac{2}{2} \\ \ g = ( 2 9/22)  $\frac{d^2z}{dS^2} - \frac{1}{z}\left(\frac{dz}{dS}\right)^2 - z^3\left(\frac{dy}{dS}\right)^2 = 0$ 1 dig + 2 dz dl = 0 Tych &= de lo= dy 2 - = (i) - 23 (y) = 0 of (hig +2 lnz) =0 lny + 2 ln = const y = econest = 2 72 = 22 2- = (2)2- 23, 24 = 0 2-12(2)-2=0 Pennin ogropogroe Dy:

$$\dot{z} = \frac{1}{2} \left( \dot{z} \right)^{2} - 0$$

$$\dot{z} = \dot{z} = \lambda \ln \dot{z} - \ln z = \alpha n \lambda$$

$$\dot{z} = C = \lambda \dot{z} = C(8) c(9)$$

$$\dot{c} = \frac{\lambda^{2}}{2} = 0$$

$$\dot{c} = \frac{\lambda^{2$$

