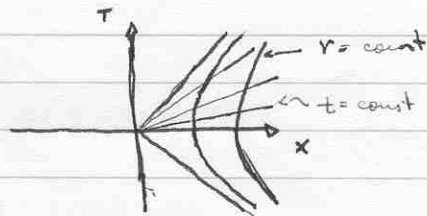


Rindler space - approximates BH near the Horizon

$$dr^2 + r^2 d\theta^2 + dz^2 \longrightarrow dr^2 - r^2 dt^2 + dy^2$$

flat euclidian flat lorentzian

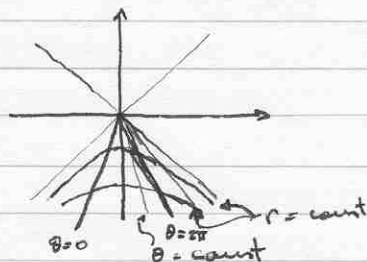
at $r=0$, metric component $r^2 dt^2 \rightarrow 0$



but structure at ∞ is not like BH

Misner space - approximates BH near singularity

~~$$d\varphi^2 - dr^2 + r^2 d\theta^2$$~~



2+1 Dim. BH do exist if $\Lambda < 0$

(negative curvature spacetime) $\rightarrow$ spacelike geodesics:

but timelike geodesics
will attract:

