$$SS = \frac{1}{5}\left(\frac{2i}{2g} - \frac{d}{di}\left(\frac{2i}{2g}\right)\right)Sq dd$$

$$\frac{2i}{2g} - \frac{d}{di}\left(\frac{2i}{2g}\right) = 0$$

$$\frac{2i}{2g} - \frac{d}{di}\left(\frac{2i}{2g}\right) = 0$$

1)
$$L \rightarrow L' = L \rightarrow \frac{df}{dx}$$

 $S = \frac{f}{f}(L + \frac{df}{dx}) dx = \frac{f}{f}(L + f(g', h)) - f(g', h)$

MA MILNON'S (AUTION) PRINCIPLE

S- achor hurhous

Hyplice 9(4) Ley $f(\lambda) + J(\varphi)$ $SS = \int_{1}^{4} L(q + S\varphi, q' + S\varphi', \lambda) = \int_{1}^{4} L(q, \varphi', \lambda) = \int_{1}^{4} L(q, \varphi', \lambda) = \int_{1}^{4} \int_{$

$$\frac{\partial \dot{x}}{\partial \dot{x}} = m \dot{x} \qquad \frac{\partial \dot{x}}{\partial x} = -\frac{\partial \dot{x}}{\partial x}$$

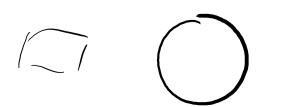
$$m \stackrel{?}{\times} + \frac{\partial \times}{\partial n} = 0$$
 $m \stackrel{?}{\times} = -\frac{\partial \times}{\partial n}$

$$m \frac{d^{2}F}{dt} = F + np$$

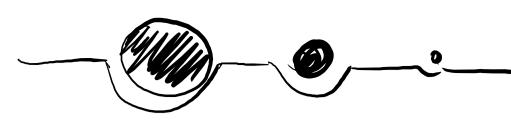
$$m \frac{d'}{a'} \cdot \left(\sqrt[3]{1 + \frac{1}{2}} \frac{\vec{q}(t')}{\vec{q}(t')} \right) = \vec{E} + \frac{1}{2} \frac{\vec{q}(t')}{\vec{q}(t')}$$

A) uplas:

1. Sparetine is a curred manifold with medic (MIP)







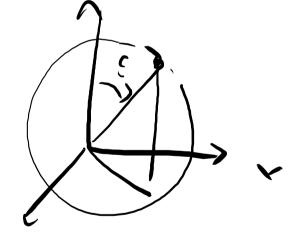








2. Johns



A. Flot space
$$ds' = dx^{2} + dy^{2}$$

$$\int_{ay}^{ay} \sum_{x}^{x} \Delta s' - \Delta x' + \Delta y'$$

$$ds' = da' + hi '0 dy'$$

$$\Delta s' = \Delta 9' + hi' 0 dy'$$

4.
$$di^{2} = -di^{2} + \frac{1}{x^{2}} dx^{2}$$
 $(1, x) \rightarrow (1, x^{2}) \qquad x^{2} = \frac{1}{x^{2}}$
 $dx^{2} = -\frac{1}{x^{2}} dx \qquad dx^{2} = dx$
 $di^{2} = -di^{2} + dx^{2} \qquad x \neq 0$





$$ds = dx' + dy'$$

$$ds = (dx)' + (dy)$$

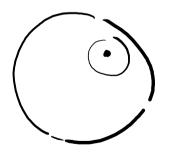
$$ds = (dx)' + (dy)'$$

$$ds = (dx)' + (dx)'$$

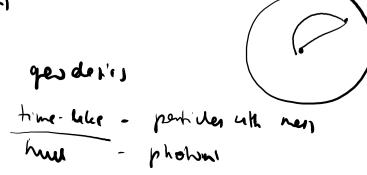
$$ds = (dx)' + (dx)' + (dx)'$$

$$ds = ($$

2. Deally we can species mach with



- 3. Enver grother
- 4. Partille follon genderies



SPECIAL	GENERAL
for spece	Curicol
Muharle medic	general metic
di? = you de der	as : pu de " de
ημυ - (1 2 3 3)	guu