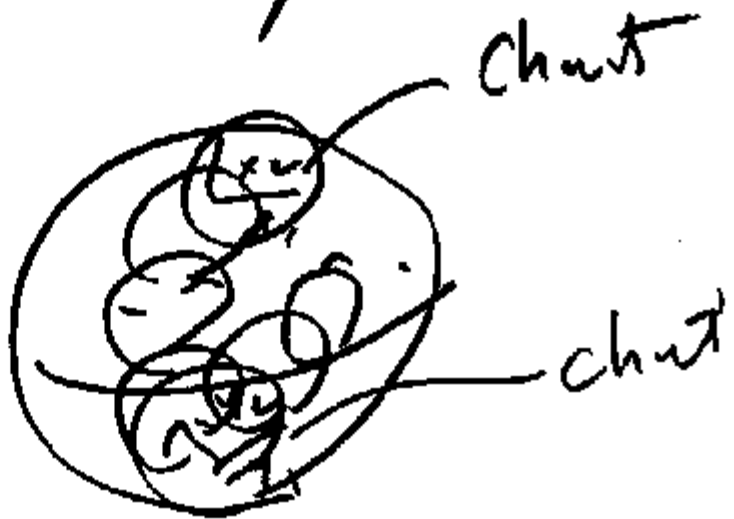
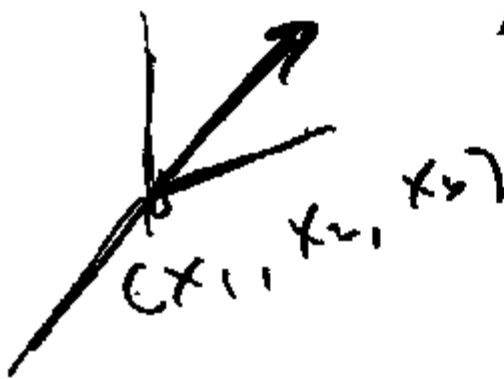


1905

Einstein metrics

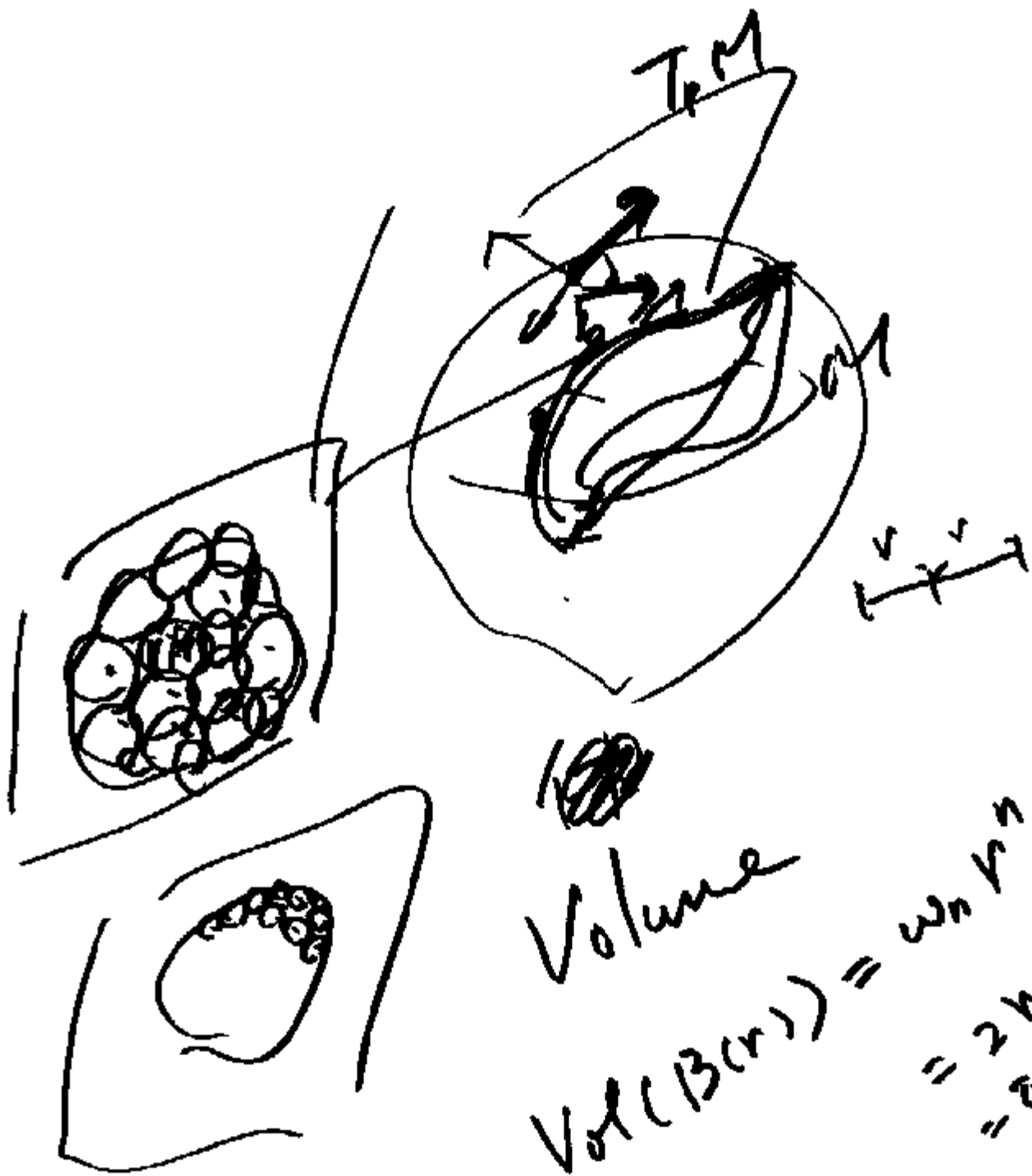
and

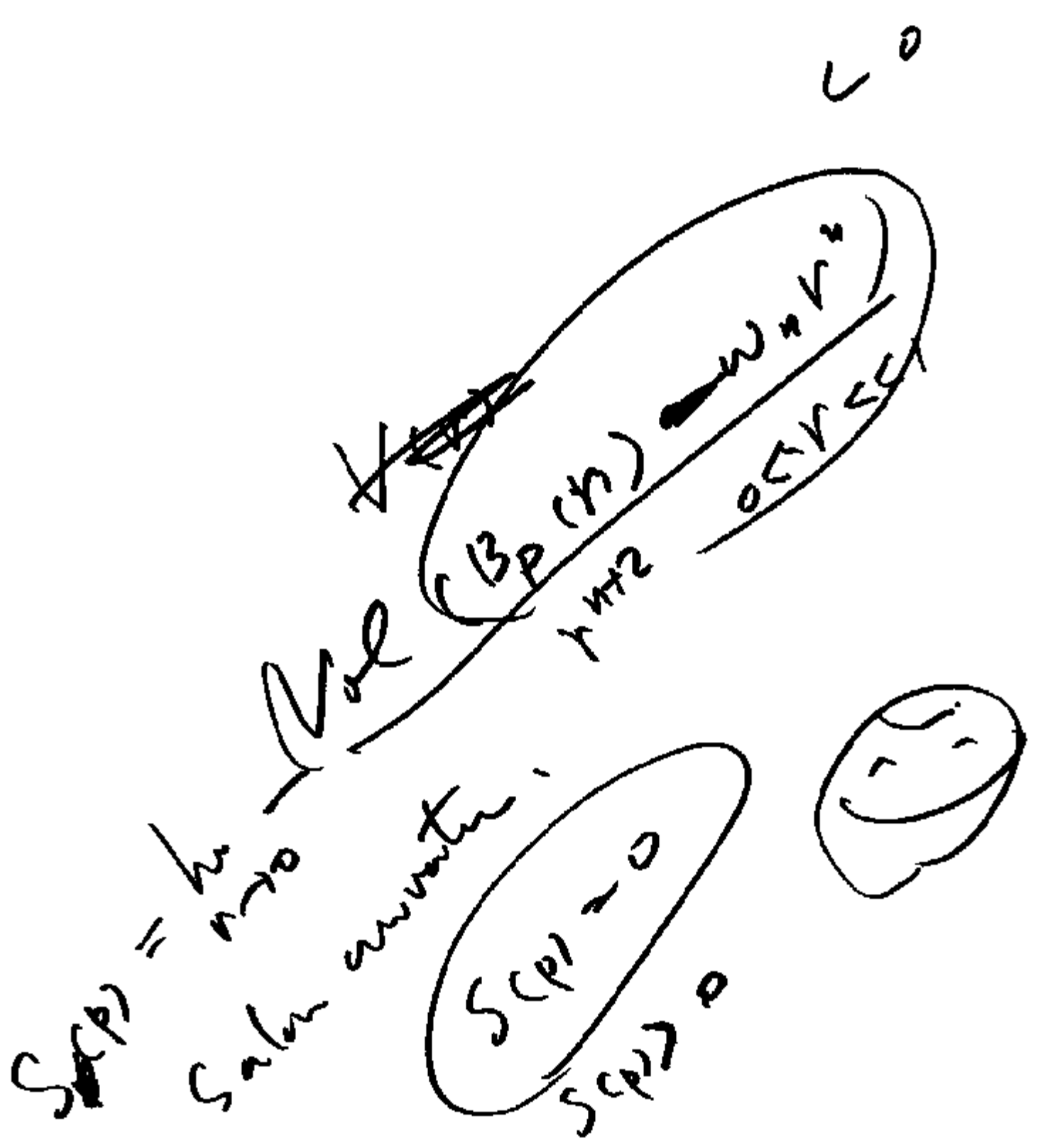
stability



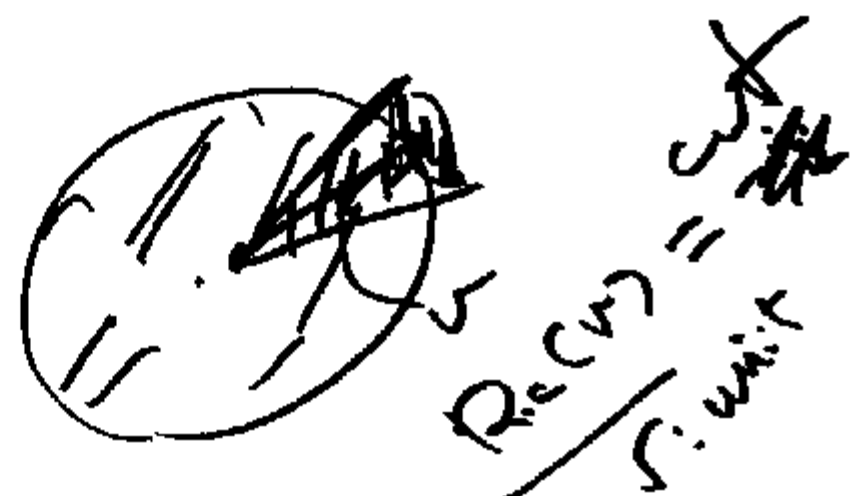
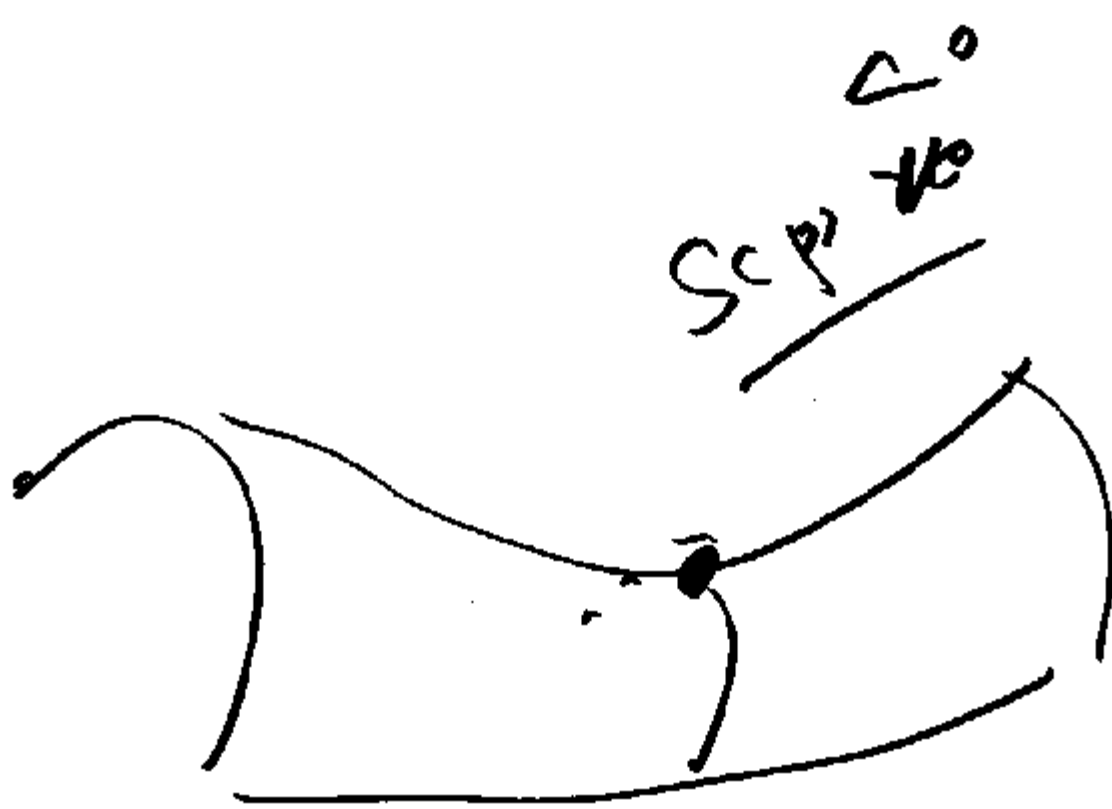
atlas

manifold.

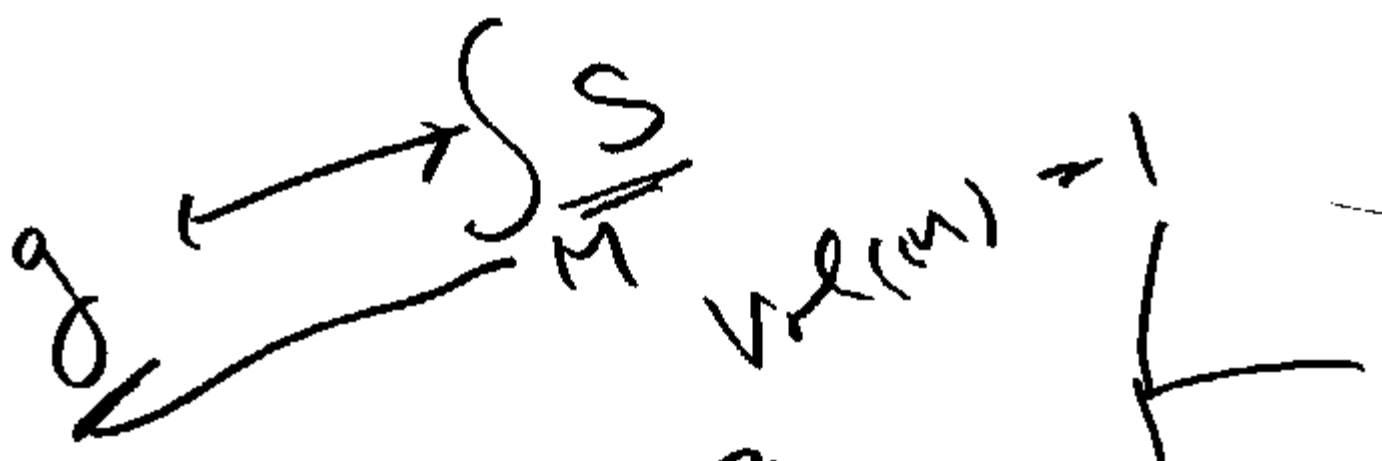








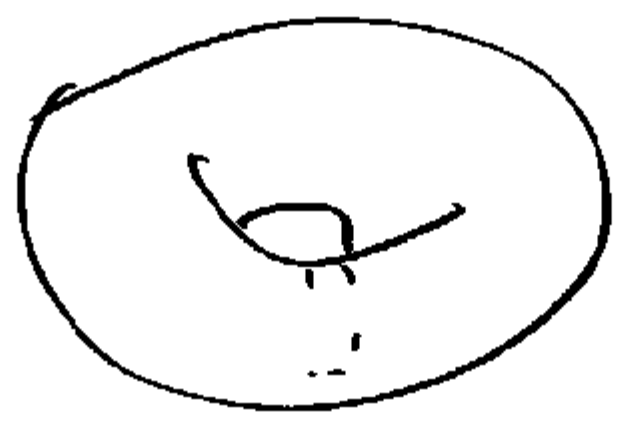
Einstein



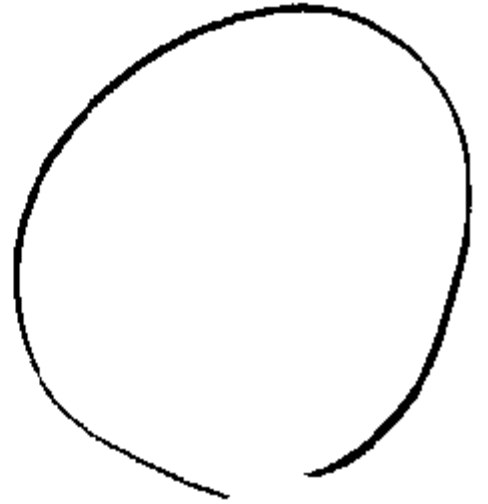
dim M = 2

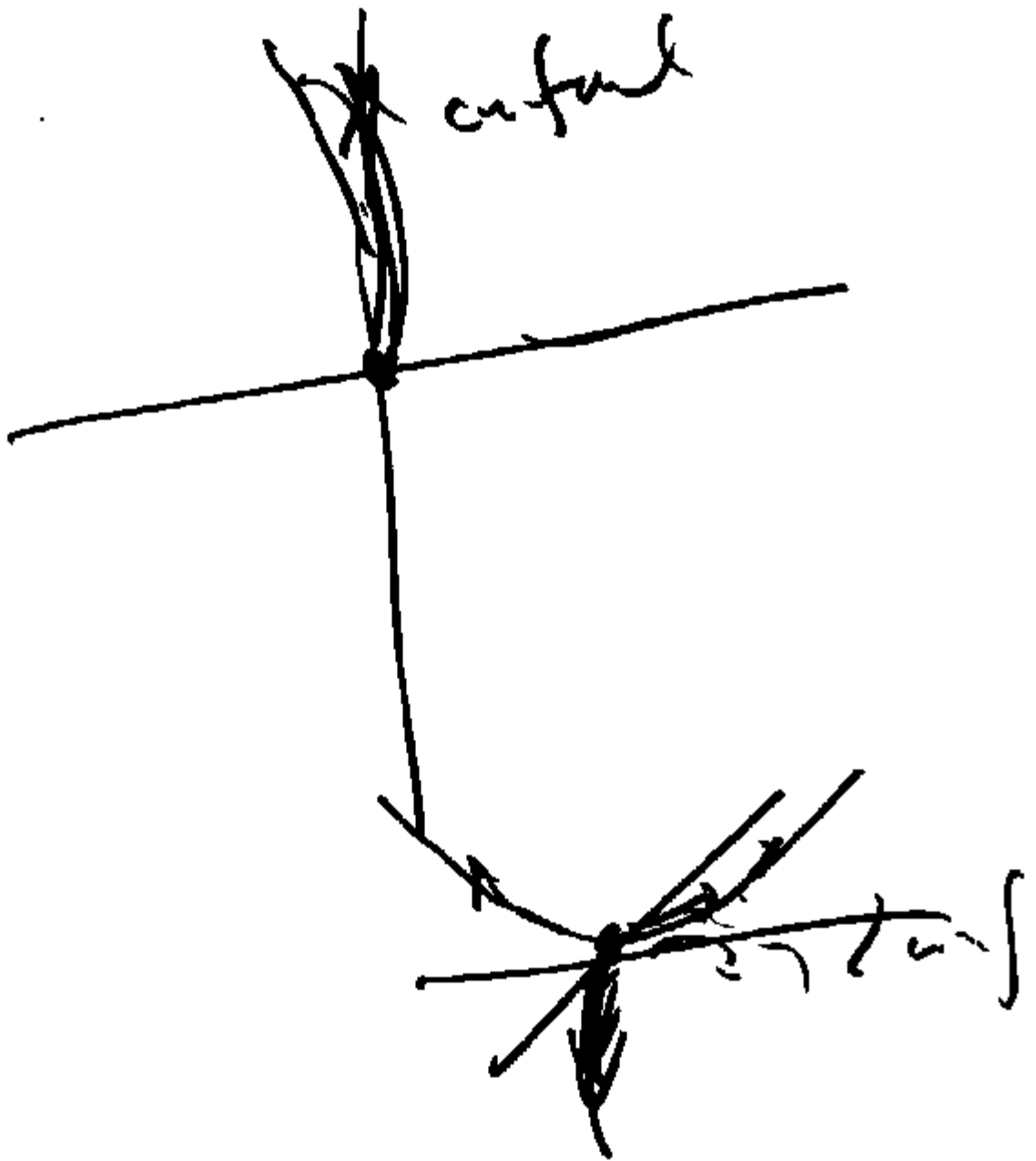


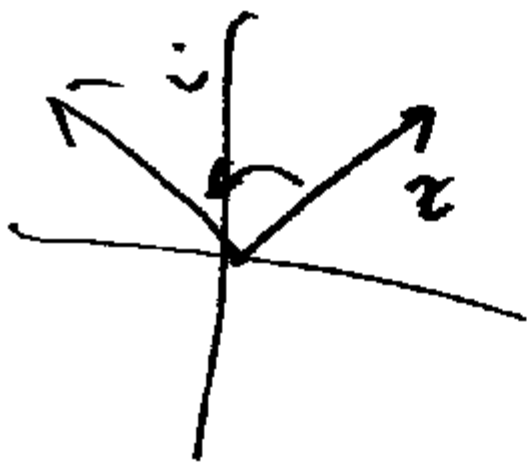
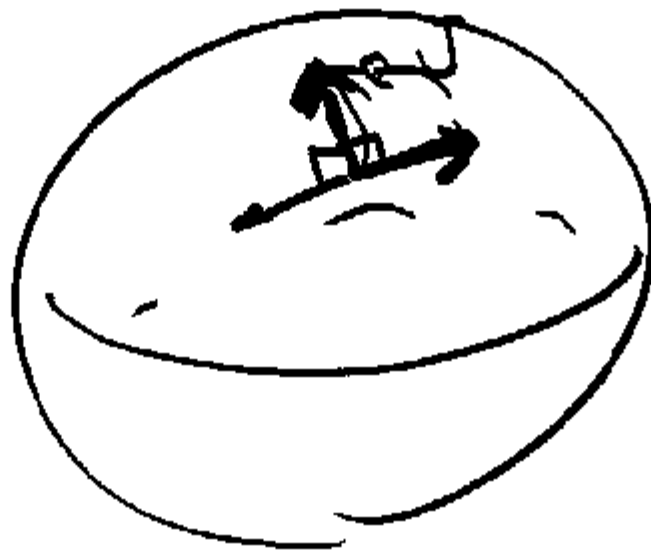
$$k^2 + 4 + k = 1$$



~~SS~~ \uparrow $S = \text{cont}$
 ~~$\sigma \rightarrow \text{eq}$~~
~~conformal~~







$$\underline{j^2 = -1}$$

$$z = x + \sqrt{y} y = x + iy$$

↓

$$\sqrt{-1} z = iz$$

$$\underline{\int S = cont}$$

$$\underline{R_k = dg}$$

K-conv \underline{M}

~~alg-geor~~

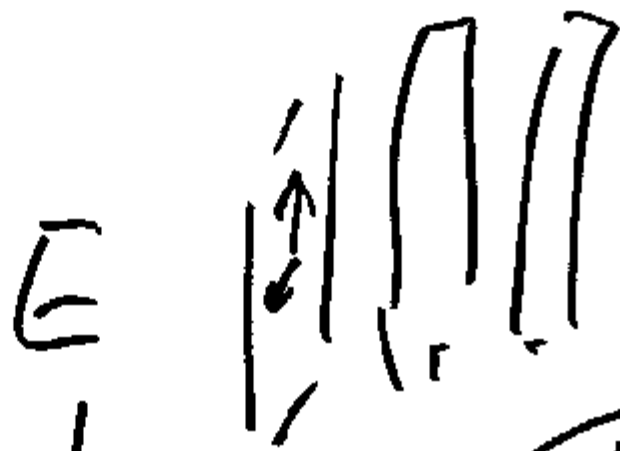
Stille

$P(z_1, z_2, \dots, z_n) = 0$

Stable

$\int_{-\infty}^{\infty} \psi^2 dx < \infty$
 $\int_{-\infty}^{\infty} \psi^2 dx < \infty$

$\int_{-\infty}^{\infty} |\psi|^2 dx < \infty$



M
Eigenschaft \Leftrightarrow stabil



M stabil
 \rightarrow

(E, h)
↓
← semi-~~optic~~ lin

(M, ω)

(TM, ω)
↓
← full-non-lin

(M, ω)