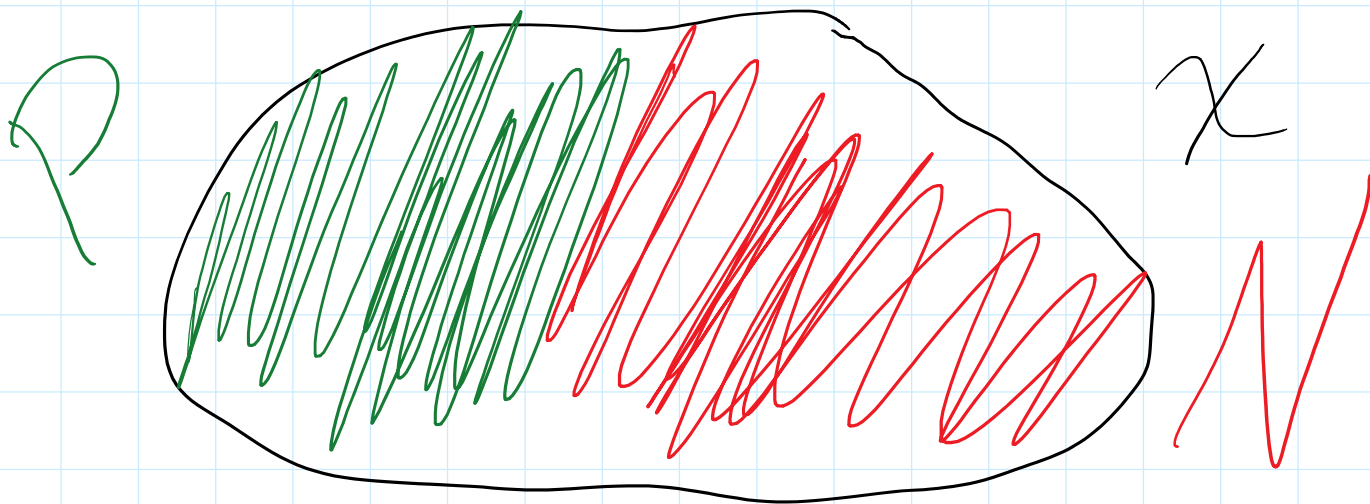


$$\mu(\{x\}) = x$$

$$\mu(X) = +\infty = \sum_{x=-2}^{+\infty} x$$



$$\mu: \cancel{S} \longrightarrow \mathbb{R} \cup \{-\infty, +\infty\}$$

A

$$\mu(B) = \frac{\mu(B \cap P) + \mu(B \cap N)}{\mu(B \cap N)}$$

$$\underline{\mu(B|V)}$$

$$\underline{\mu} = \underline{V} - \text{II}$$

$$\mu: A \rightarrow \mathbb{C}$$

$$\mu = \underline{\lambda} + i\underline{V}$$

Practico 3, Ej 4

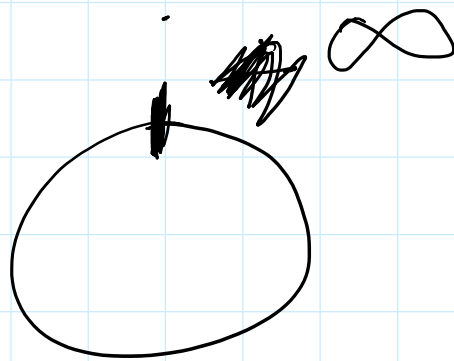
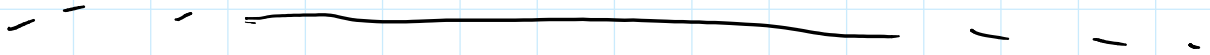
$$P \geq 0 \quad \text{!!!}$$

Corrección del practico.

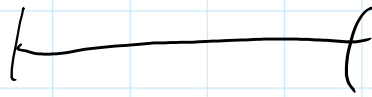
$$f: X \rightarrow \mathbb{R}^*$$

$$\sim \infty \quad | \quad \text{---} \quad | \quad +\infty$$

$$\mathbb{R} \xrightarrow{h} \mathbb{R}^*$$



$$-\infty \quad \dots \quad +\infty$$



$$\left[0, 1\right] \subset \mathbb{R}^*$$

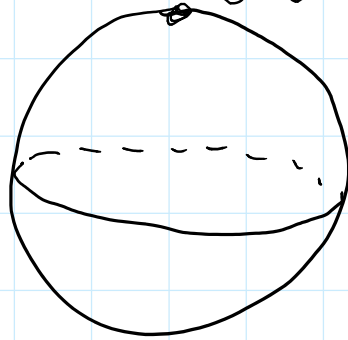
$$h: \mathbb{R}^* \rightarrow \left[-\frac{1}{2}\pi, \frac{1}{2}\pi\right]$$

$$-\infty \rightarrow -\frac{1}{2}\pi$$

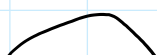
$$+\infty \longrightarrow \frac{1}{2} \pi$$

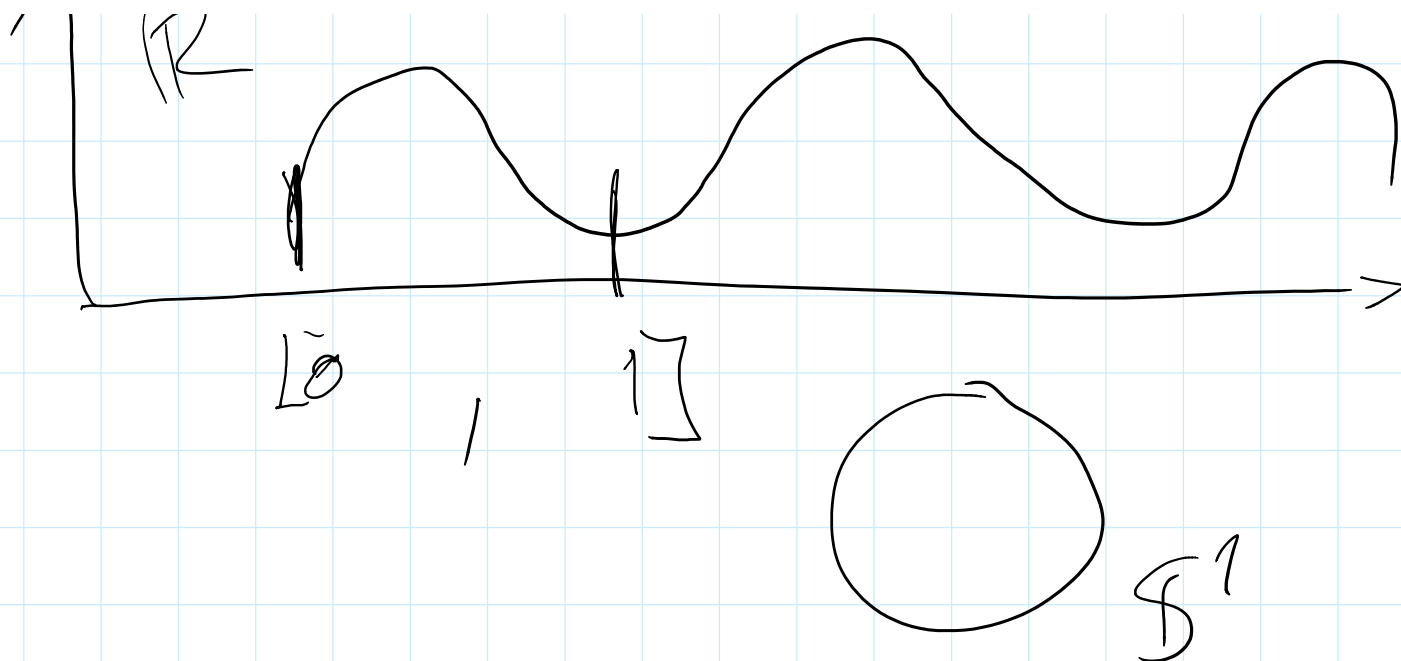
$f: X \longrightarrow Y$, X compacto
 f cont. inv. entonces
 f es homeo sobre
 $f(X)$.

$$\mathbb{C} + \left\{ \infty \right\}$$

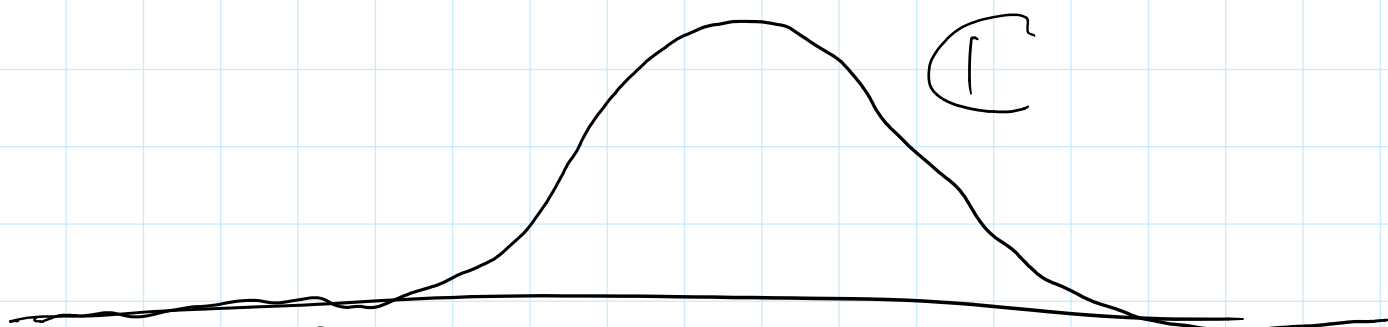


Esfera de
Riemann



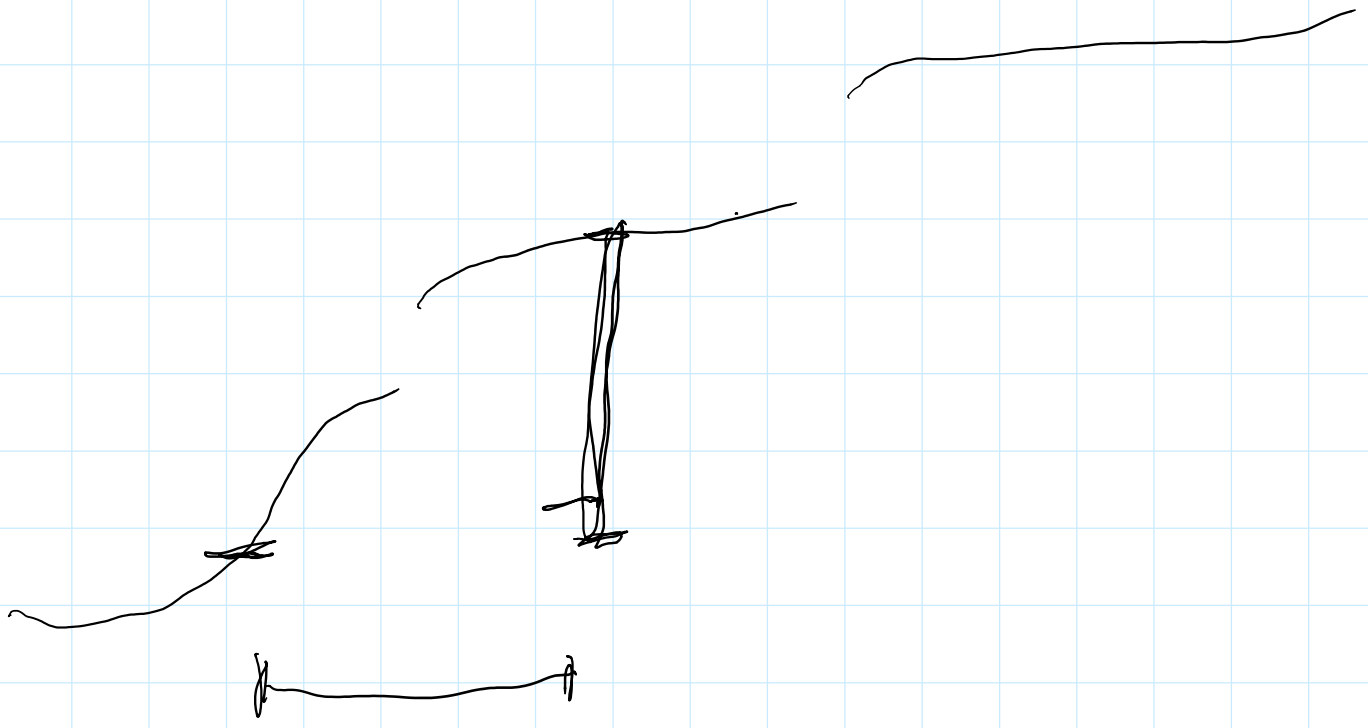


$$f: \mathbb{R} \rightarrow \mathbb{C}$$



$$\int f(t) e^{-t} dt$$

$$\frac{\partial f}{\partial t} = f * \text{algo}$$



$$\mu \ll \lambda$$

$$\lambda(A) = 0 \implies \mu(0)$$

—)

f

1 ~~AA~~E

0

$$\mu_f = \delta_0$$

$$\delta_n(A) = \begin{cases} 1 & \text{if } 0 \in A \\ 0 & \text{if } 0 \notin A \end{cases}$$

$$\partial_0(A) = \begin{cases} 0 & \text{si no} \end{cases}$$

$$\int_E f d\mu \ll \mu(E)$$

μ " ~~signo.~~ " $L_1(\mu)$

$$\int_E x d\mu \quad \|f\|_1 \leq \infty$$

$$\int |f|^p d\mu = \|f\|_p^p$$

$$\int |f - g| d\mu = 0$$

$$f \equiv g$$

