

1. Drawing as a part of the process of thinking: drawings as part of the process that will get to a final work. (The openness of a/the drawing)

2. Re-Interpreting or understanding something that was already done: drawing as a way to access something that was already understood. Iconic drawings.

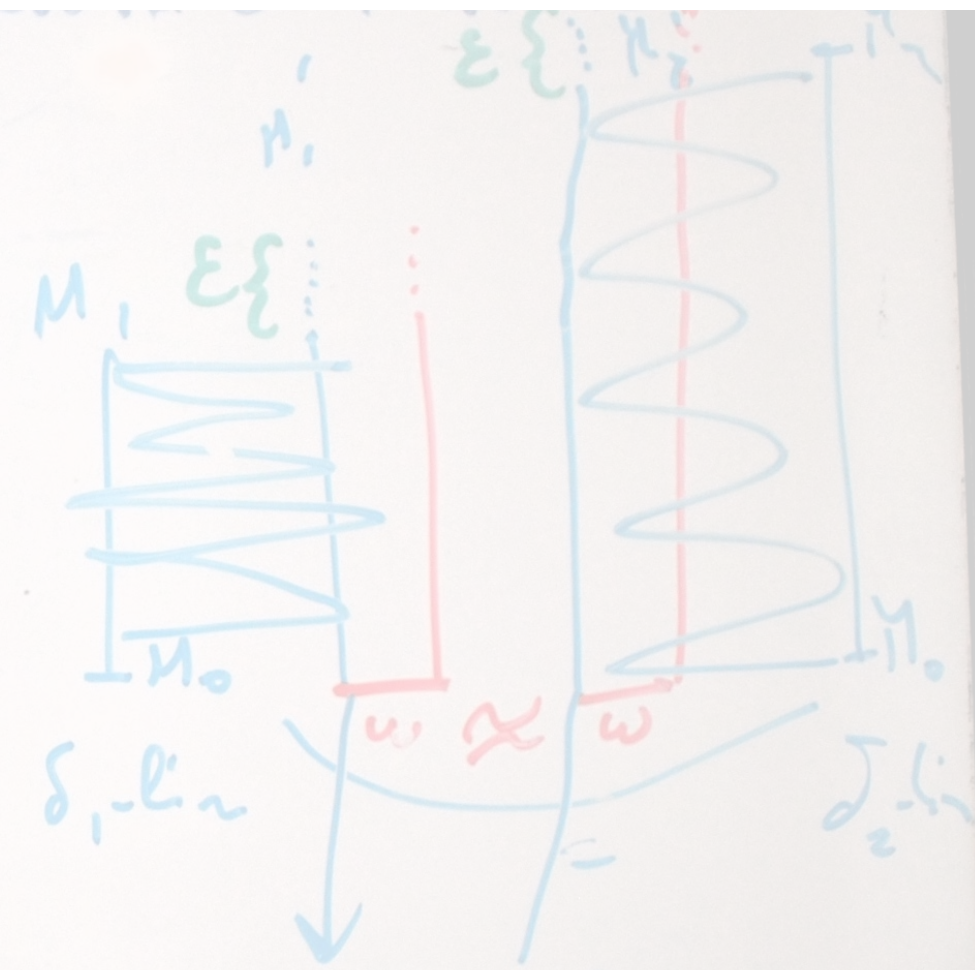
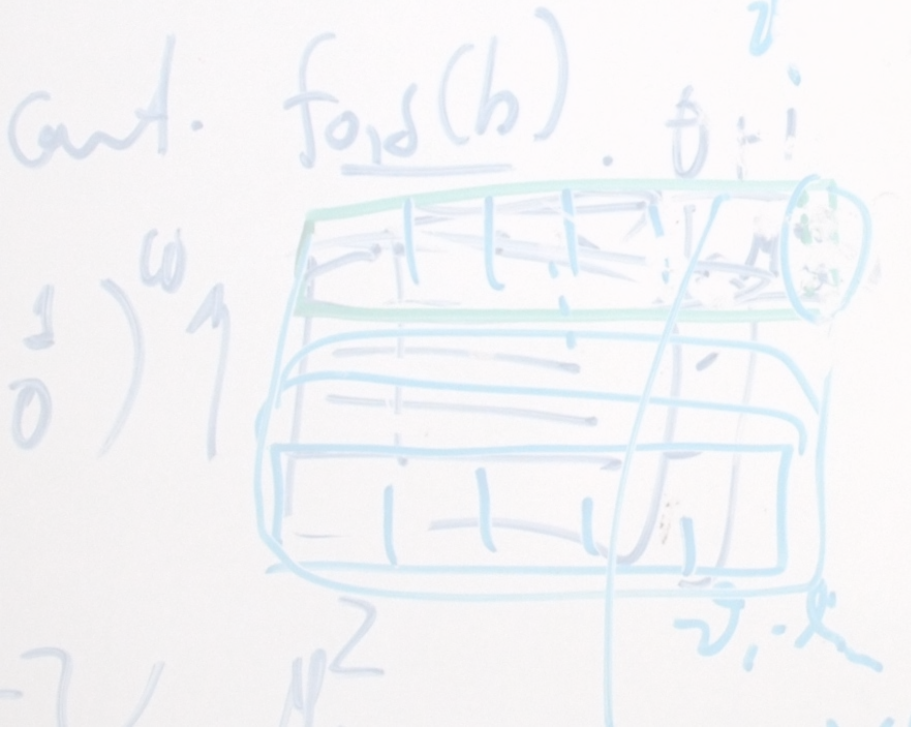
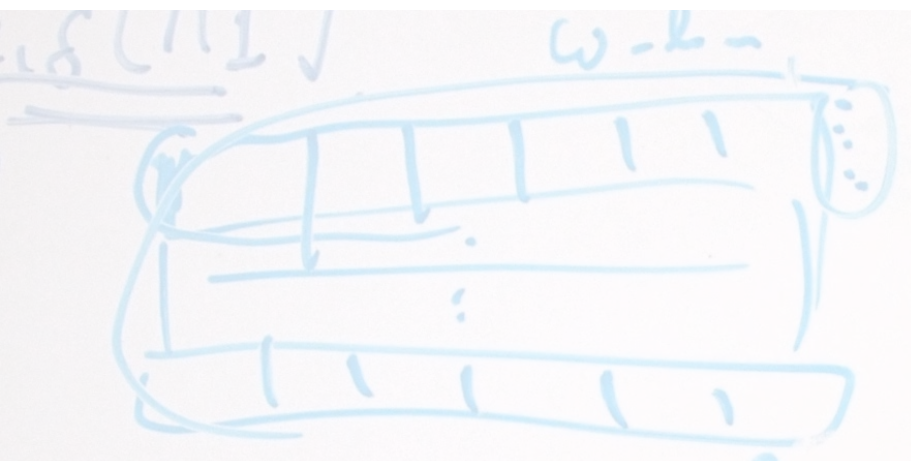
3. Redrawing, undrawing.

4. Body and drawing, drawing with the body, “we become the drawing”, we become part of the process of drawing.

5. Unifying -The broken, extended, stretched, scattered, enlarged, textured, thickened, torn, enriched drawing.

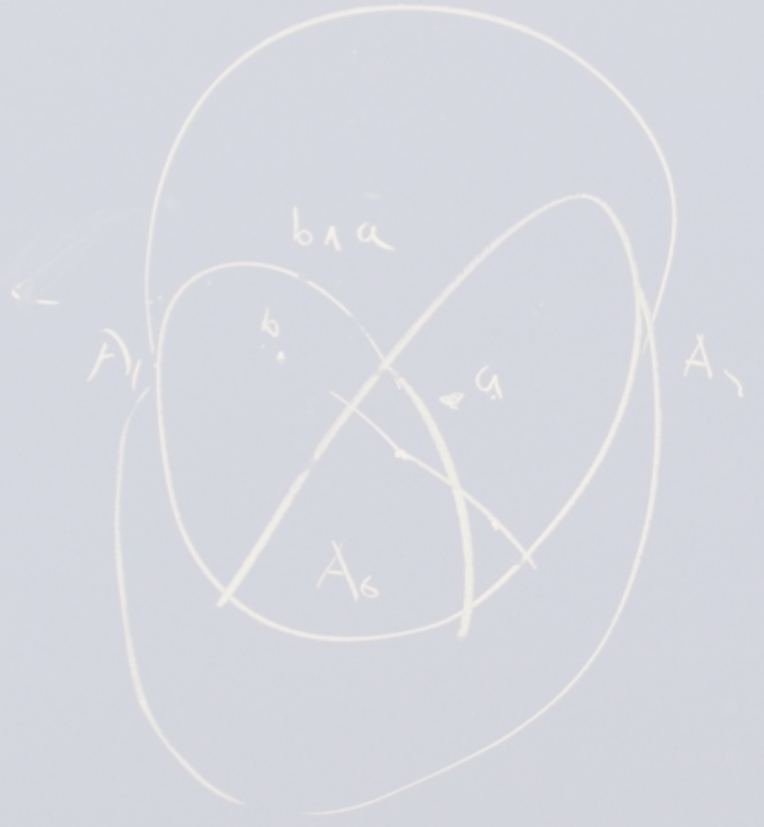
1

**Drawing as a part of the process of thinking: drawings as part of the process that will get to a final work.
(The openness of a/the drawing)**



$\epsilon - \text{Cas}$

over I.



$R(x, b)$



Γ_2

There is an immense difference between seeing something with your pen in your hand, and seeing it while drawing it.

Or rather, one sees two different things. Even the object most familiar to our eyes becomes altogether different when you try to draw it: you realize that you didn't quite know it, you hadn't quite seen it. The eye up to then had only served as an Intermediary. It enabled us to talk, to think, guided our steps, our disperse movements, it even triggered some feelings. It even fascinated us, but always by effects, consequences or resonances of its vision, that substituted it, and therefore abolished it in the process itself.

But drawing following an object confers to the eye a certain command that our will nourishes. Therefore, one needs to wish in order to see, and this wished seeing has drawing as an end and as a means, simultaneously!

$(\lambda, \mu) \in \mathbb{R}^2$
of indep.

norm continuity
[1159]

limit singular
 $\kappa = d(p) \leq \mu$

$(\lambda, \mu) \in \mathbb{R}^2$
F is small,
optimal range.
 $\Gamma: M \rightarrow M$

Let $e_{p,10}$
Min $\|g\|: G \in M_G$
and $(\forall \epsilon \in M^G) (\exists g \in G) [$
 $\|g\| \leq \epsilon$ and $\Gamma(p) \approx g$

Use μ
 $\mu \in M_G$ or
 $(\forall g \in S) \exists \mu$
 $g \mu = (1, \mu)$

$\mu \in \text{cl}(M)$
 $\mu \in M_G$
g.
sum $\|g\| \leq \epsilon$
 $\mu = \sum \mu_i$
...
with $\mu_i \in M$

we bounded subset
of M of cardinality
 $\leq \aleph_1$
and $\text{Range}(A) \subseteq \mathbb{R}^2$
First $\|x\| \leq \mu$
Choose let $(\mu_i)_{i \in \mathbb{N}}$
with $\mu_i \in M$
Let $\mu \in M^2$ let
 $h_\mu \in M$

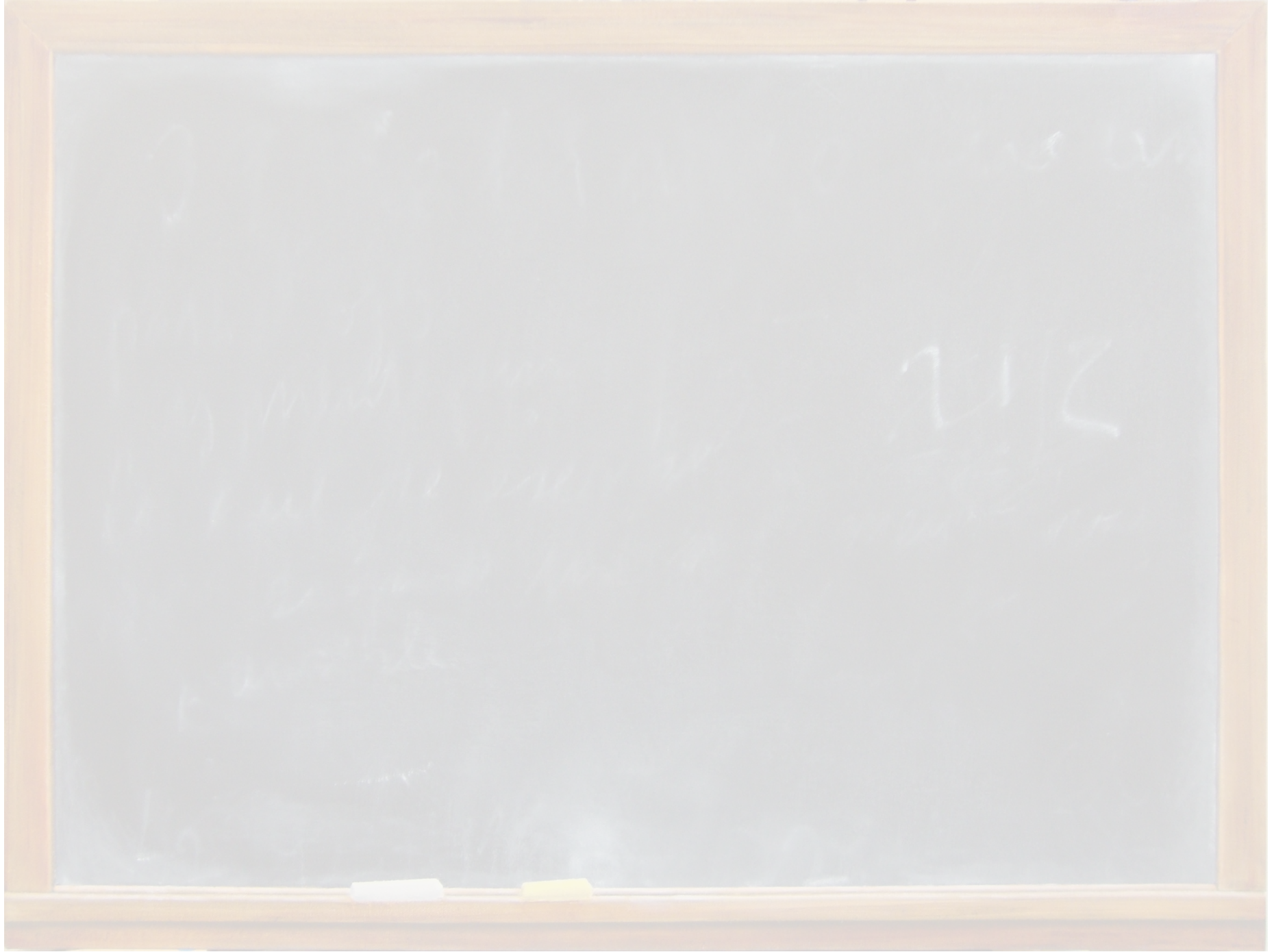
be defined by
 $h_\mu(x) = \mu(x)$
where $\mu_i = \text{th}_i$ of μ
So $h_\mu \in M_G$
Fact for every
 $\eta \in M^2$ there is
 $g \in G_M$

$(h_\mu, g) =$
 $\lambda \ll \lambda; h_\mu(x) = g(x)$
 $\in [M]^M$
Choose let $\lambda = \langle \lambda_i \rangle$ s.t.
be more unbounded
in M
So we find $\mu \in M$
above $= (h_\mu, g) \in [M]^M$

Choose $\mu \in M^2$ chosen
 $g \in G$ or
 $g \in G$ not
if possible
 $\neq (h_\mu, g) \in [M]^M$
if not
Let $\lambda = \langle \lambda_i \rangle$
 $g \in S$ is an
above μ and equal to g

Induction
Each $\mu \in M^2$
is small
but
 $\bigcup_{g \in G} \mu$ is
all M^2

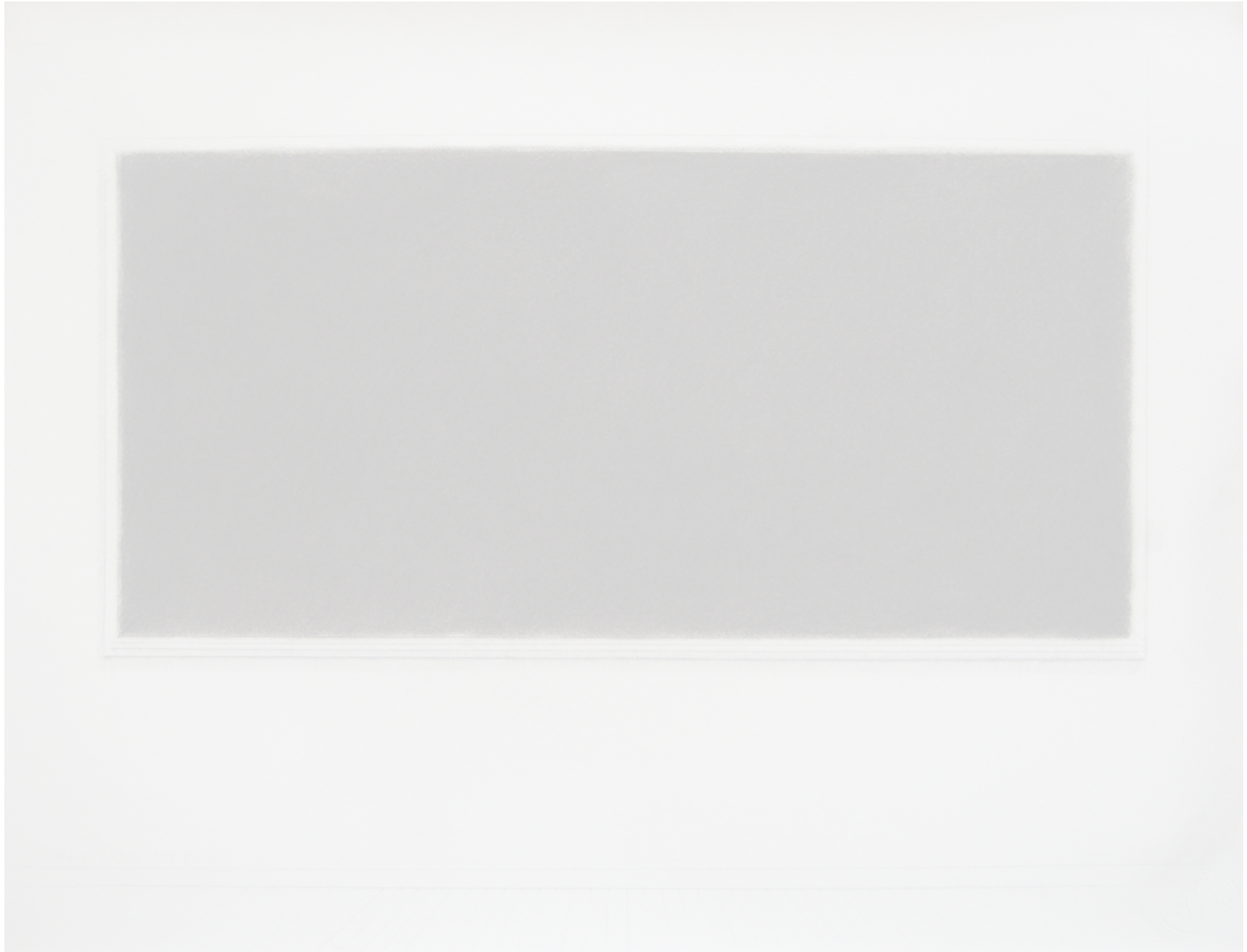




Santiago Cárdenas, *Backboard with two chawks*, 1974



Santiago Cárdenas, *Classroom*, Ca 1978



Santiago Cárdenas, *Sketch for a Blackboard*, 1978



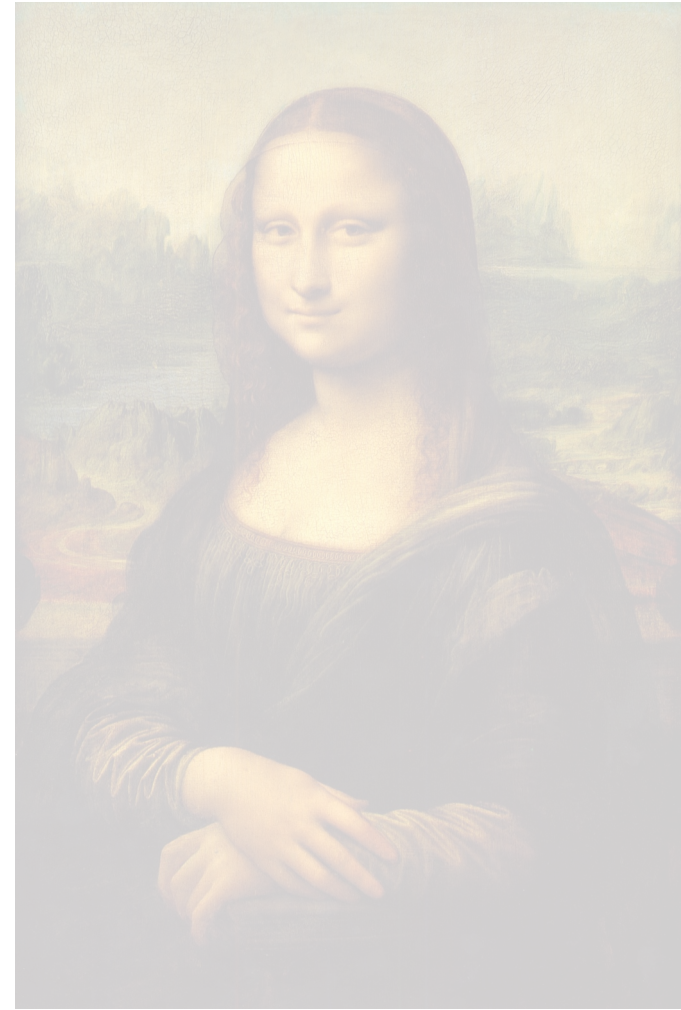
Santiago Cárdenas, *Two Blackboards*, 1974



Raffaello Sanzio,
Study of a Sibyl for the Chigi Chapel, 1512

2

Re-Interpreting or understanding something that was already done: drawing as a way to access something that was already understood. - Iconic drawings.



Leonardo Da Vinci, *Gioconda*,
(1503 - 1519)

Fernando Botero, *Monalisa*, 1952



*Delicate fine simple random little
Chinoiserie taste*

L H O O Q

TABLEAU DADA PAR MARCEL DUCHAMP
*Moustache par Picabia
Barbiche par Marcel Duchamp
Avril 1919*

Marcel Duchamp, *LHOOQ*,
1919

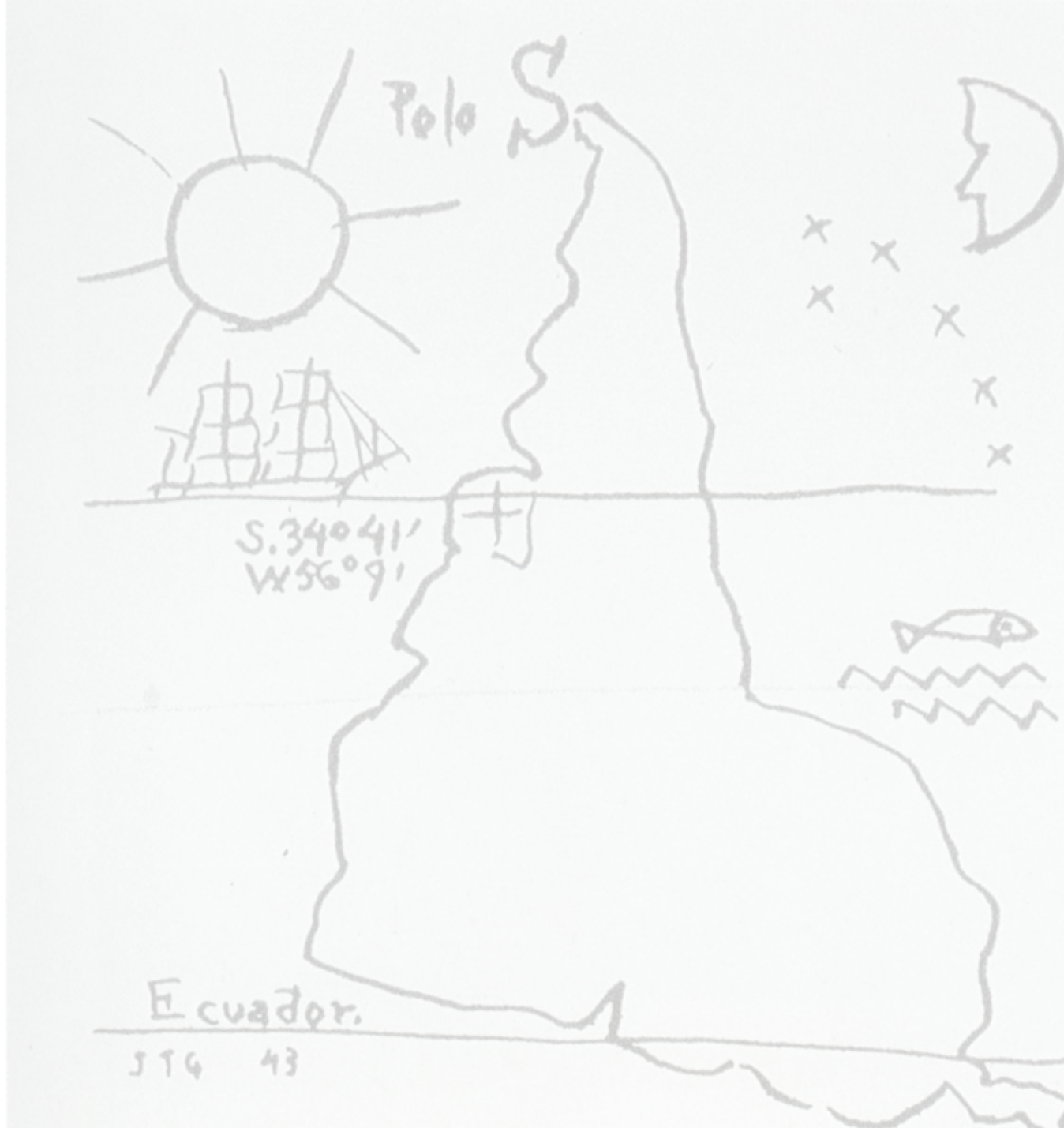
Handwritten text in Italian, likely a preface or introduction to the Vitruvian Man drawing, discussing the proportions of the human body.



Handwritten text below the drawing, possibly a scale or further notes on proportions.

Handwritten text at the bottom of the page, continuing the discussion of proportions and anatomy.

Leonardo Da Vinci, Vitruvian Man, c 1440



Joaquín Torres García, *Inverted America*, 1943 - "Our north is the south"

Salir

Zoom

No silenciar

Detener vídeo

Compartir

Participantes

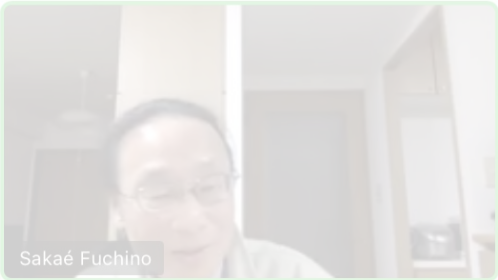
Más



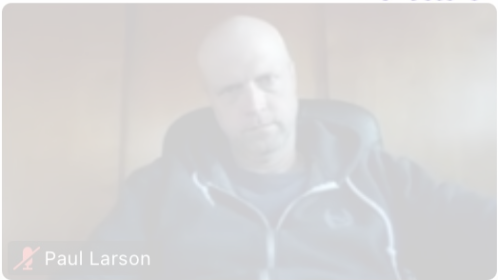
Intercambiar cámara



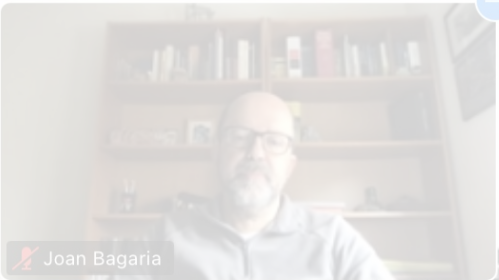
Andrés Villaveces



Sakaé Fuchino



Paul Larson



Joan Bagaria

Pantalla de Sakaé Fuchino



If T_1 is class. field and T_2 is Superfield w
 then $\cong_{T_1} \subseteq \cong_{T_2}$



S-DOP
 $A \subseteq B, C$
 $B \perp C$

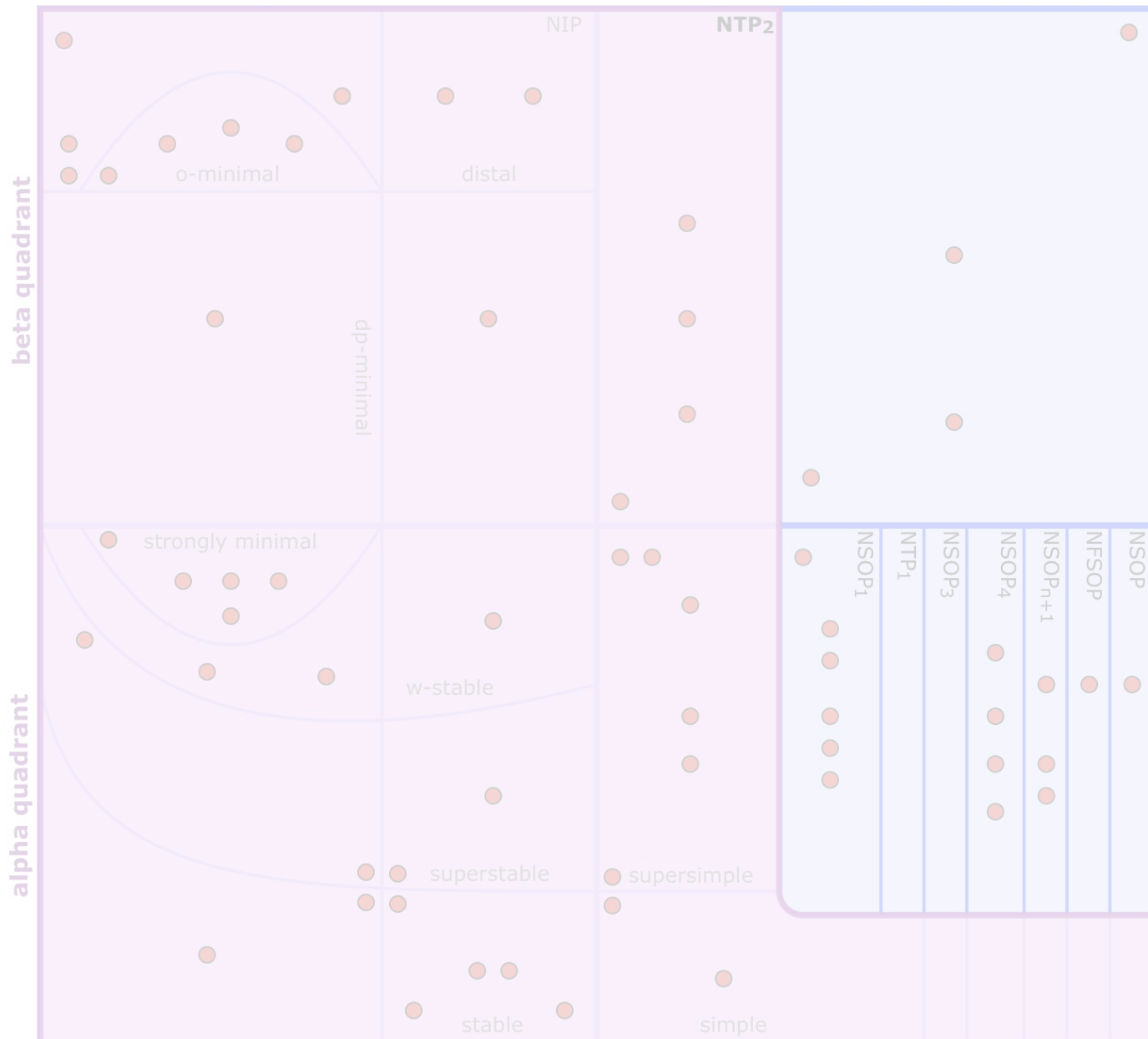
Exist
 sequen s r
 Bul
 wa
 over B



THE MEZCAL TEST - DOES $M \in \mathcal{K}$?



forking and dividing



Map of the Universe

ω -stable	superstable	stable	
strongly minimal	o-minimal	dp-minimal	
distal	NIP	NSOP	NTP ₂
supersimple	simple	NSOP ₁	NTP ₁
NSOP ₃	NSOP ₄	NSOP _{n+1}	NFSOP

Click a property above to highlight region and display details. Or click the map for specific region information.

Reset

NTP₂

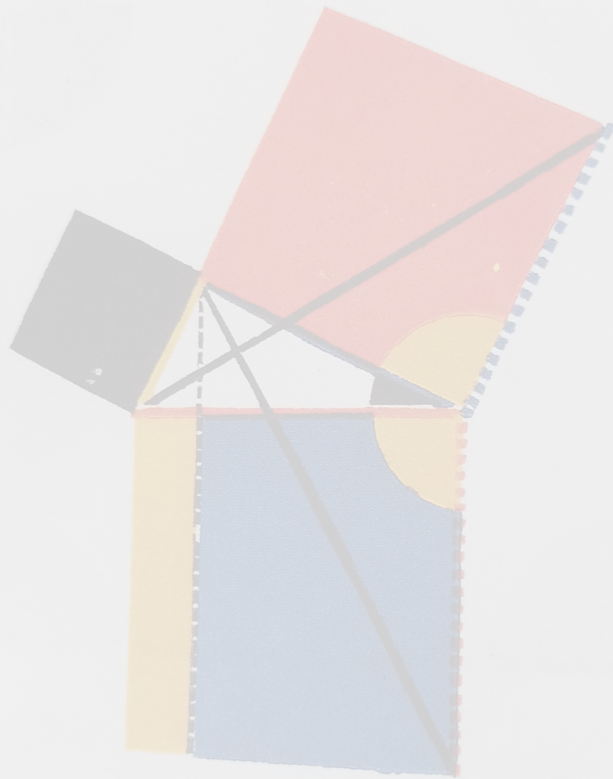
Examples

- ultraproduct of \mathbb{Q}_p
- VFA_0
- bounded pseudo real closed fields
- densely ordered random graph

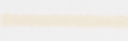
Contains:

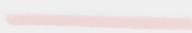
- simple
- supersimple
- NIP
- distal
- dp-minimal

Definition



N

hyp
the sum of the sq
and  *).*

On 

describ

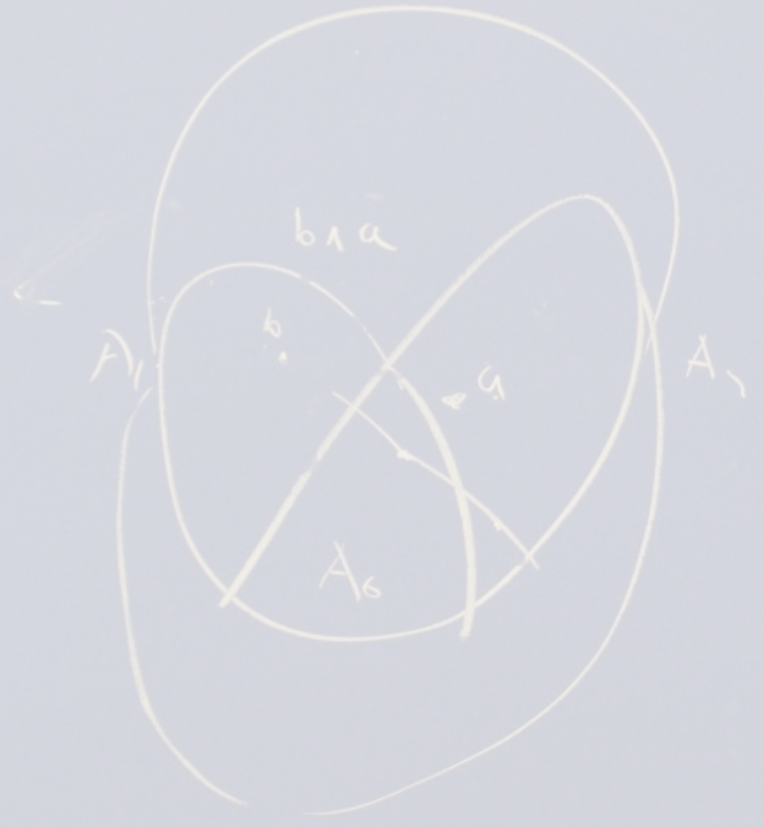
Draw  || 

also draw 



To equal

over I.



$R(x, b)$



Γ_2



$$V_{\alpha+1} = V_{\alpha} \rho(V_{\alpha})$$

$\vdots \kappa \cdot \omega$
 $\uparrow \kappa \cdot 4$
 $\uparrow \kappa \cdot 3$
 $\uparrow \kappa \cdot 2$
 $\uparrow \kappa$
 $S = S(\mathcal{K})$



3

Redrawing, undrawing.



$$E^{\lambda} \subseteq \dots \oplus E^2 \subseteq$$

$$F(n)(\alpha) = \int g_G$$

any α 's

g_l

$\# \uparrow$

$v = L$

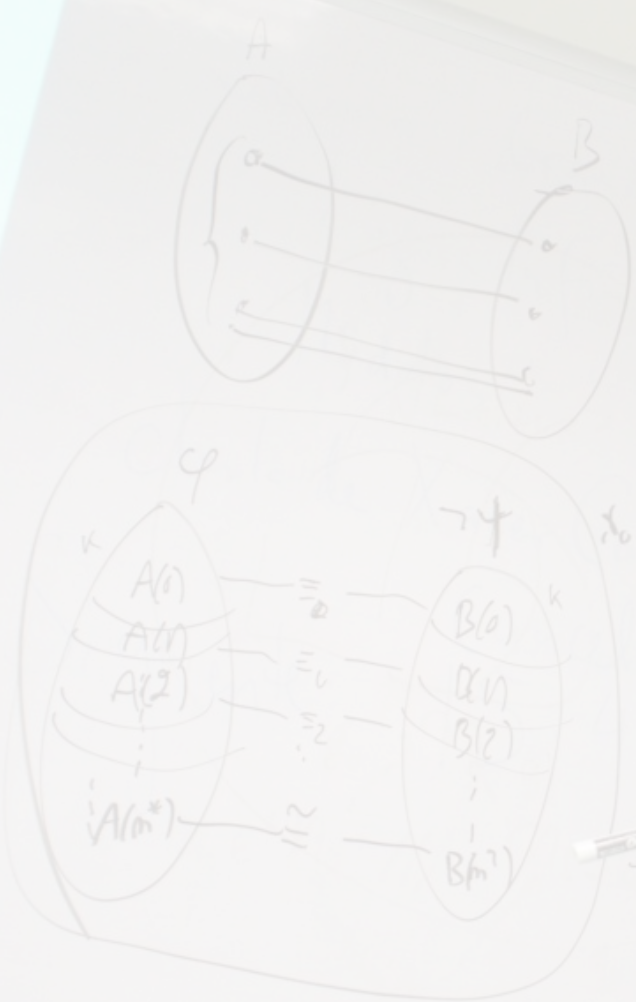
$\eta \in M$

(x)

(φ)

f

(k)

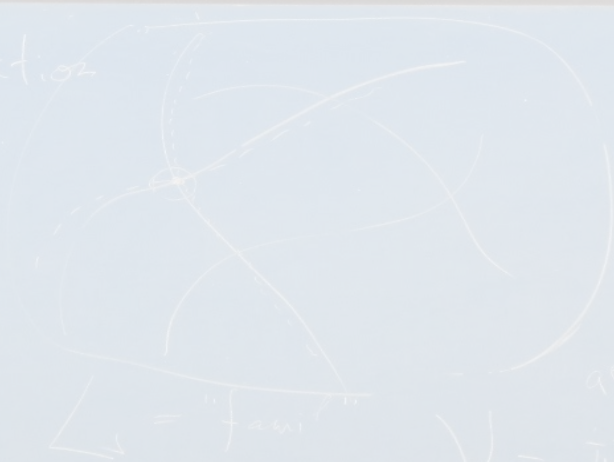




1993
Curve M is a
algebraic curve $C(M)$.



Do intersection
theory



Notion of
"infinitesimal
nbd"

$$V_x = \text{"fibre"}$$

$$V_x = \pi^{-1}(a)$$

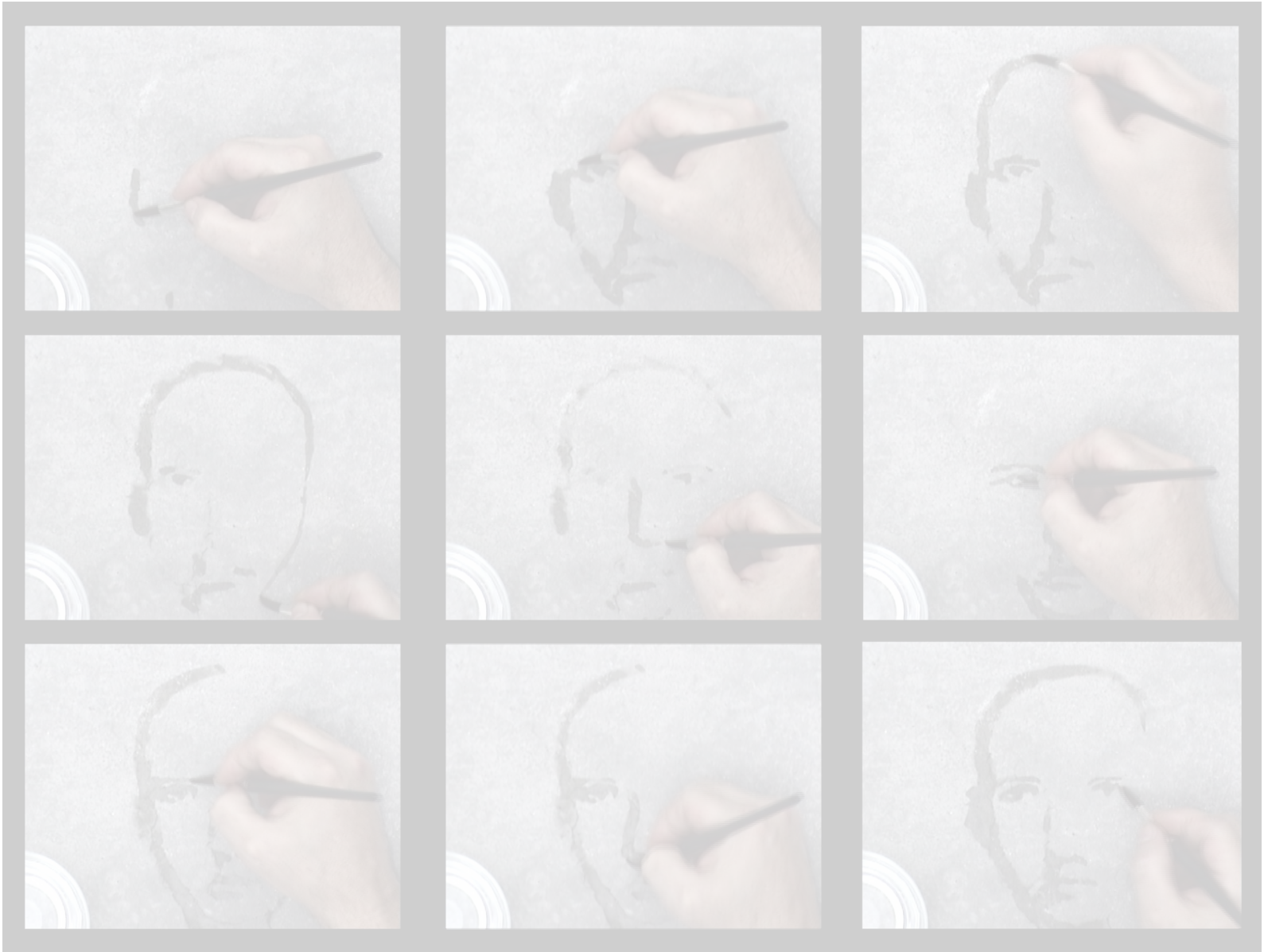
$$\pi: M \rightarrow M$$



' ... it is never the case that any perplexity is ever wholly free from the perspective in which it first comes to light as a perplexity and makes it a matter of concern. ... Line links sun and cave. Insofar as the line itself is a mathematical construction, and Socrates discusses at the greatest length the procedures and hypotheses of mathematicians, the link between the natural horizon of the beings in themselves and the human horizon of educational experience seems to be mathematics. ... An illusion is built into the sequence of sun, line and cave that one has to dispel if the misleading position of the line is to be discounted...Socrates, indeed, after insisting that mathematics alone drags the soul away from becoming to being, denies that mathematics does more than dream about being... The line is surely more sober than the sun, ... but its precision may be a more insidious form of obscurity.



Clemencia Echeverri, *Double edged, (De doble filo)*, video, 8", 1999



Óscar Muñoz, *Re-trato*,
2003



Robert Rauschenberg, *Erased de Kooning Drawing*, 1953



FRAMED IN HOORING DRAWING
ROBERT RAUSCHENBERG
1953

4

**Body and drawing: drawing with the body,
“we become the drawing”, we become
part of the process of drawing.**



Andy Goldsworthy, *Rain shadow*, 1984



Eulalia de Valdenebro, *Tactile Relations Map*, 2020



Siluetazo, Representation of the presence of absence, 1983



Vopěnka's Principle

⋮

$C^{(n)}$ extendible

⋮

Extendible

supercompact





5.

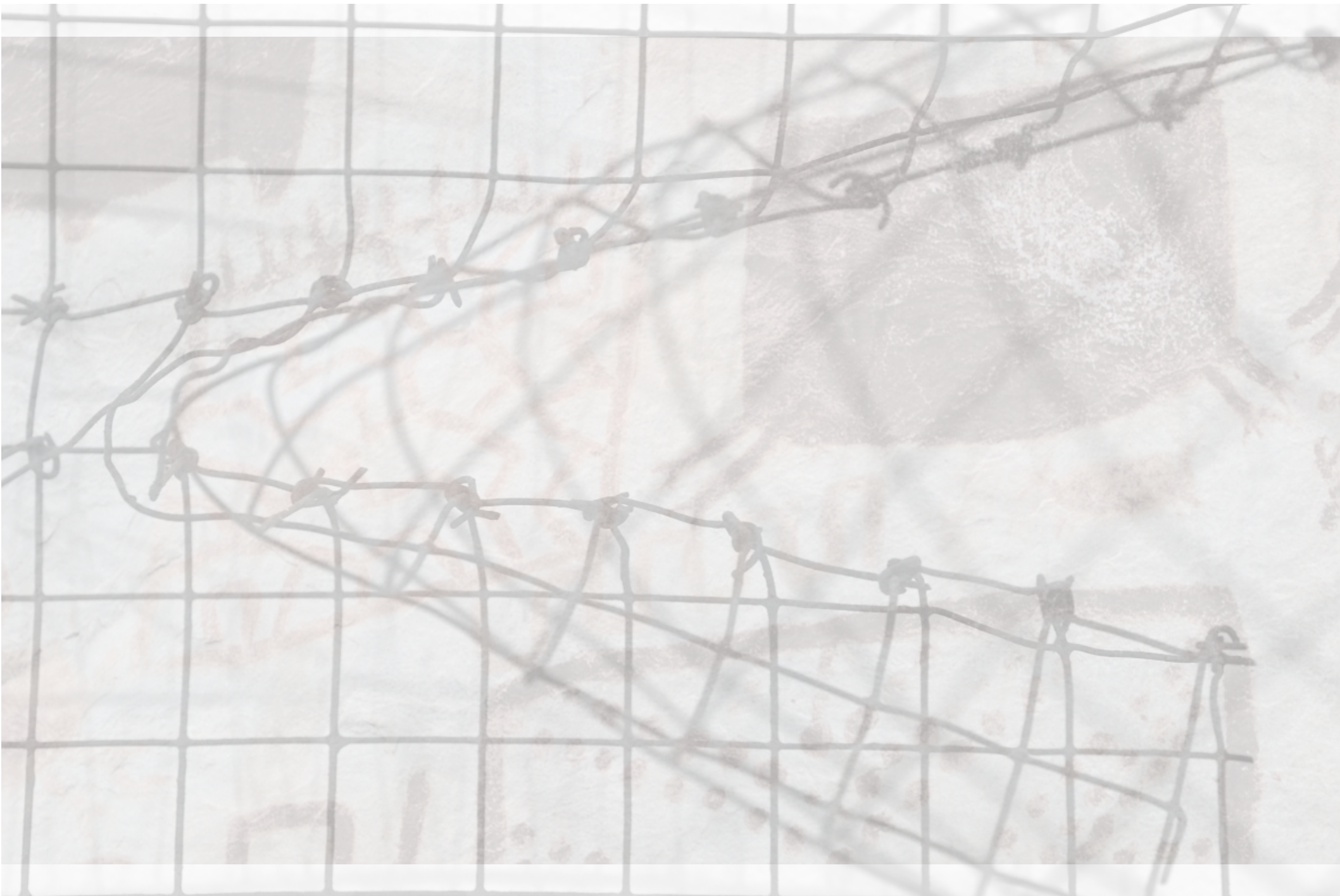
The extended drawing





$$V_{\alpha+1} = V_{\alpha} \cdot \rho(V_{\alpha})$$









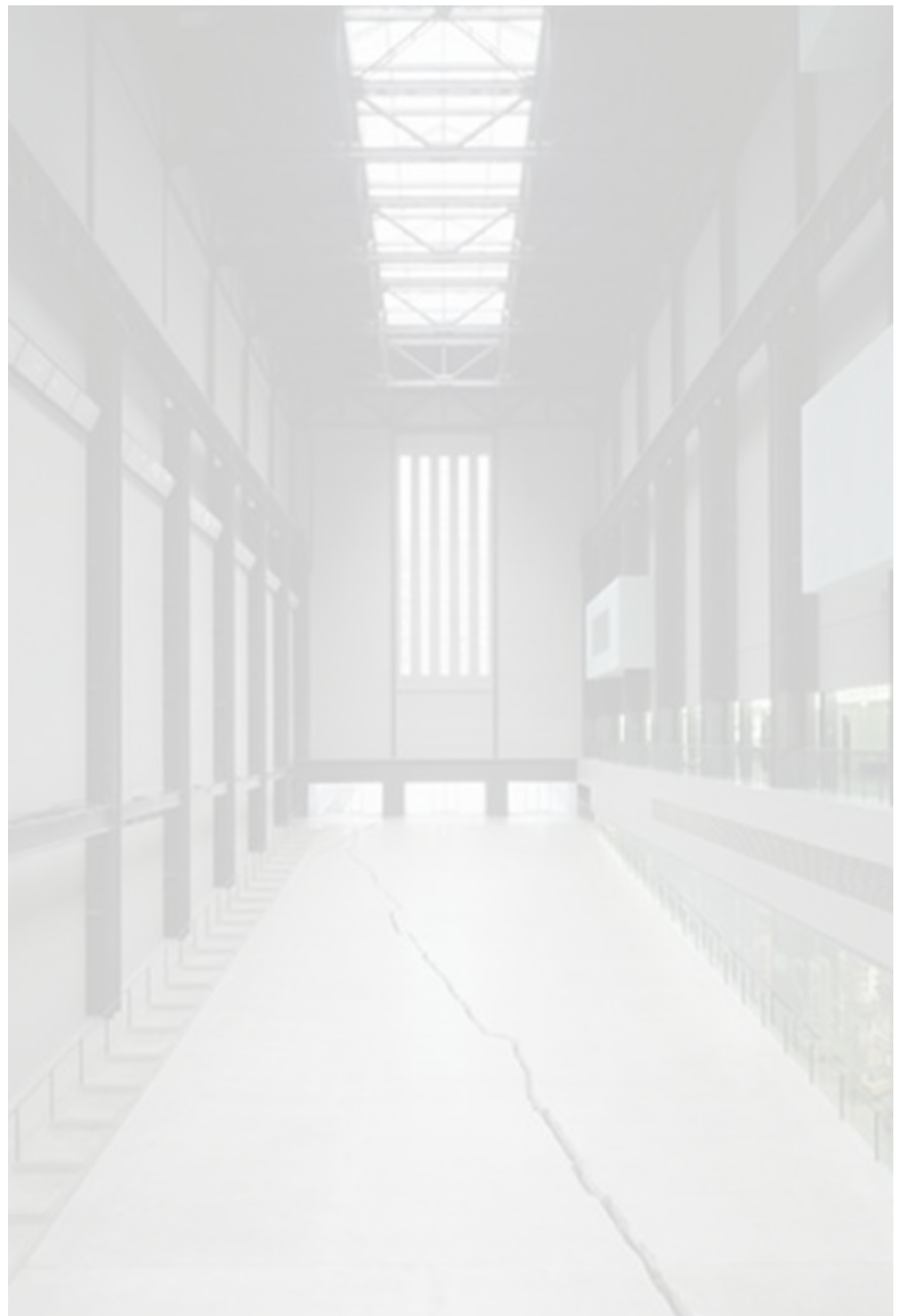




Doris Salcedo, *Quebrantos*,
2019



Doris Salcedo, *Shibboleth*,
2007





Drawings at the natural reserve Chiribiquete