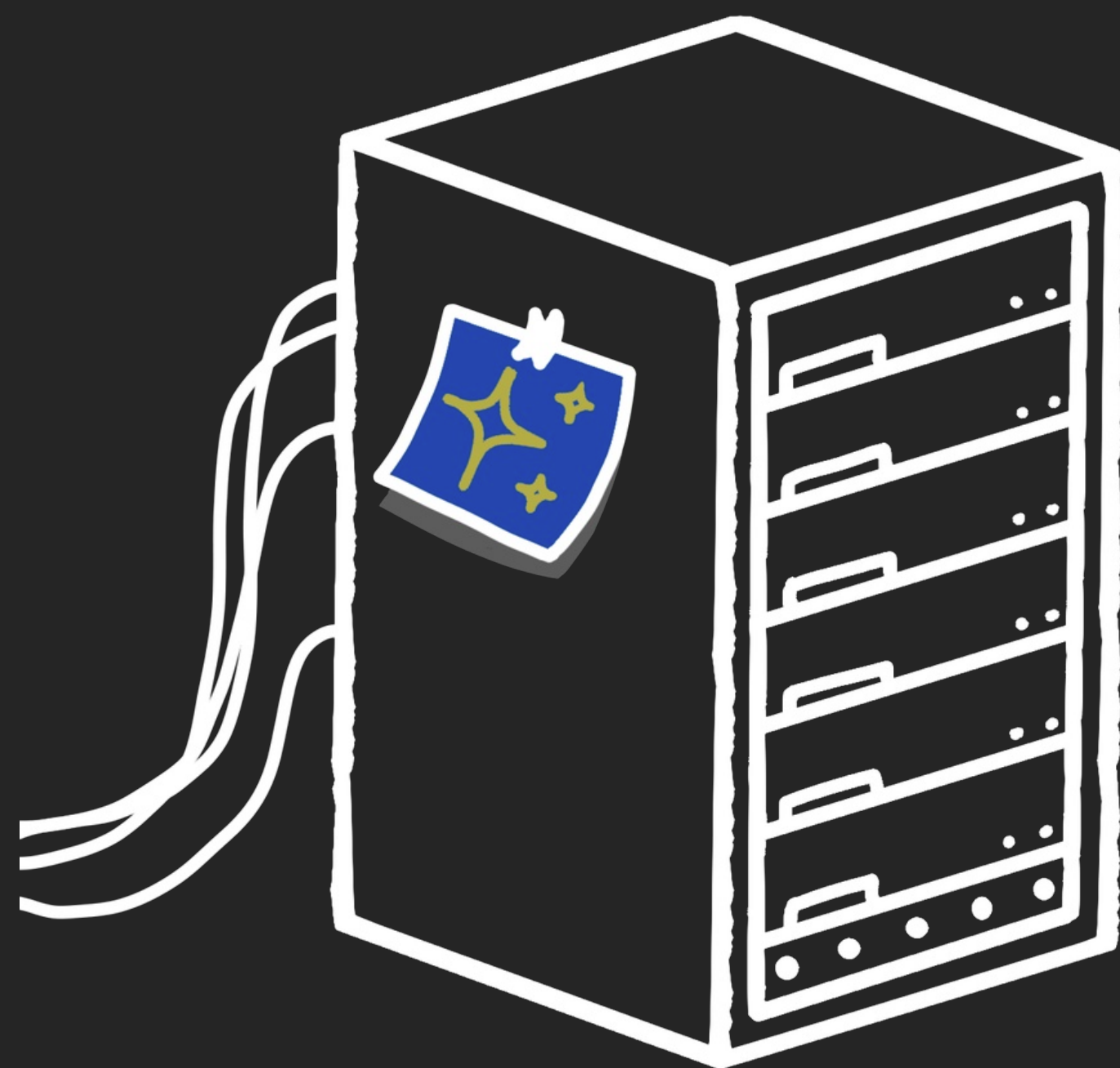




Intelligence Artificielle *conséquences philosophiques*

Sparkles
Beckett LeClair | betterimagesofai.org



Nicolas Dufresne
a.k.a. Duduf Artiste
Développeur
Enseignant





La fourmi dans la coquille

Podcast

lafourmi.media



***Le trou noir
philosophique***

Nicolas Dufresne

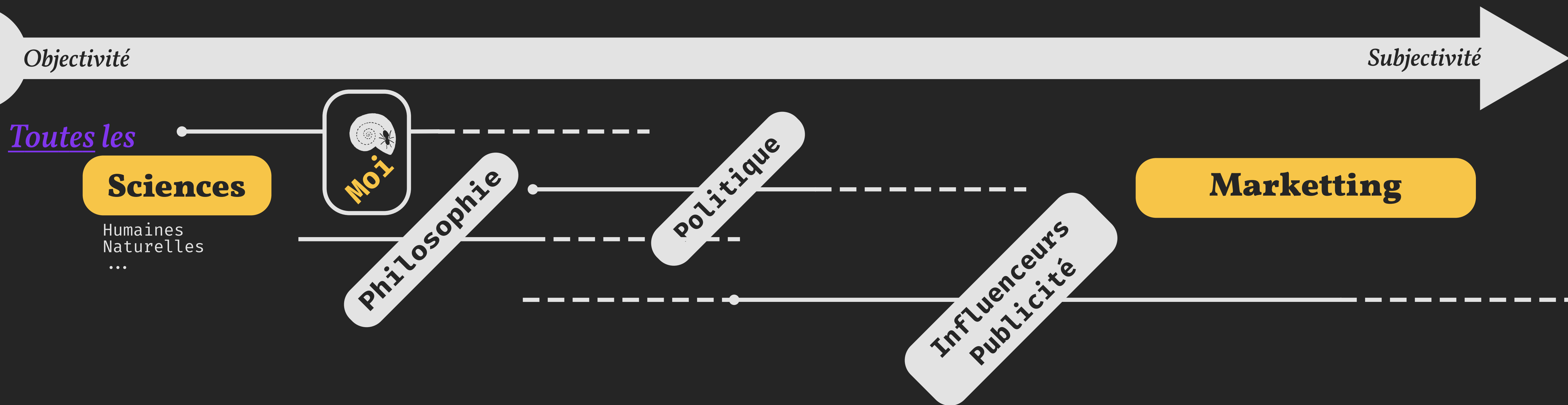
**Le trou noir
philosophique**

*Conséquences
des I.A. statistiques
sur la connaissance*

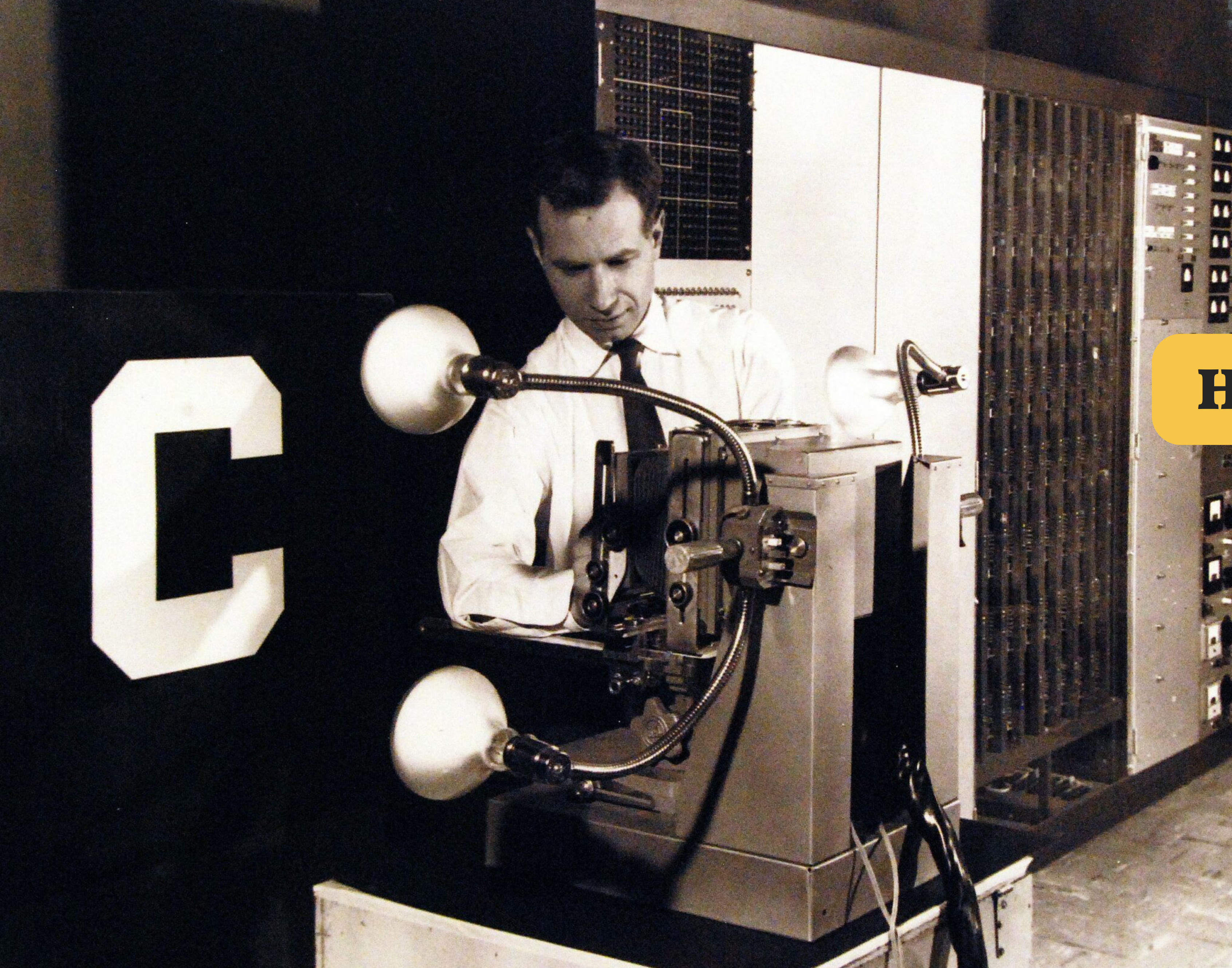


Avec l'IA *À propos de*





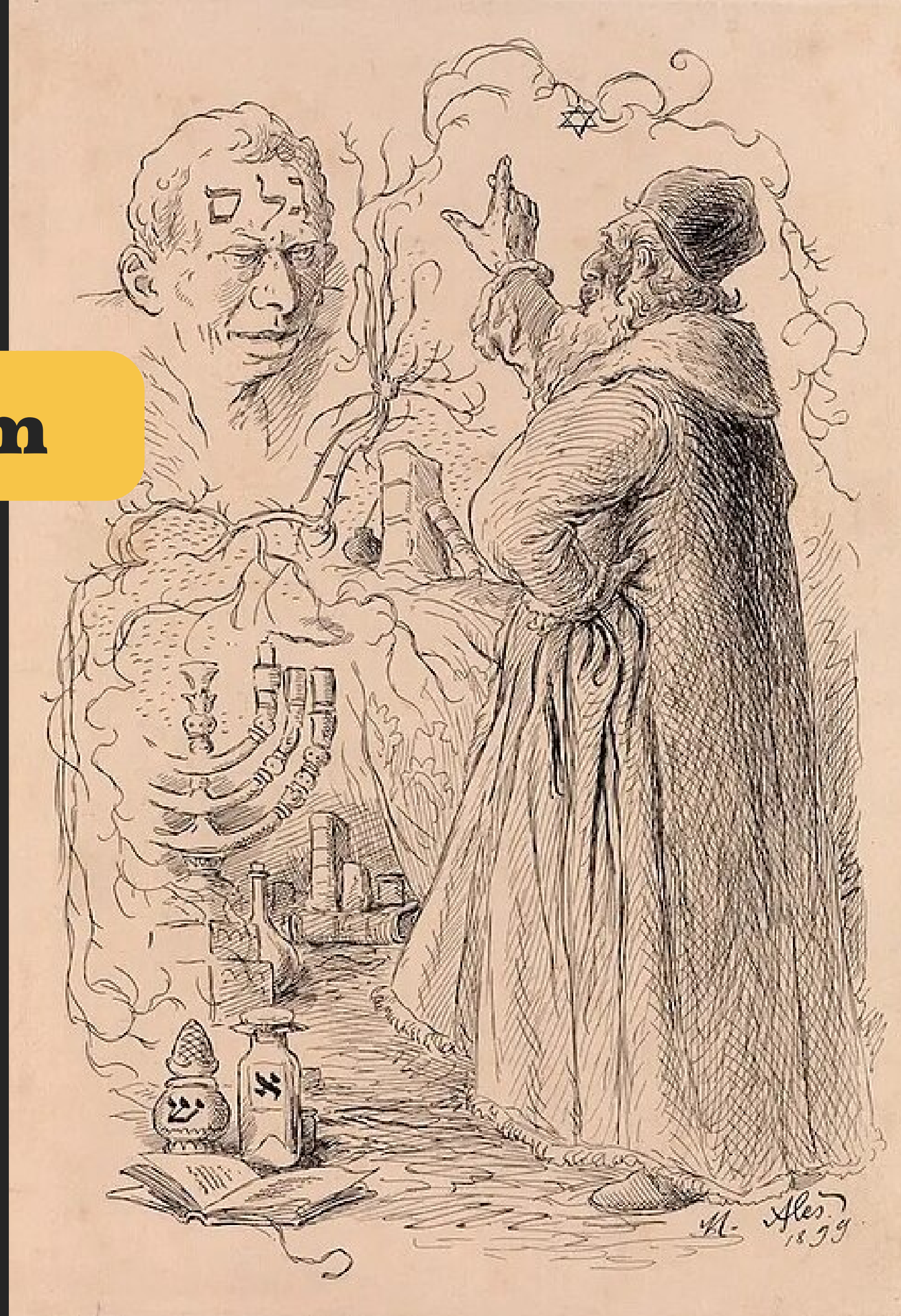
Histoire *de l'IA*



330-PSA-80-60 (USN 710739): *Experimental Machine Able To Identify Letters of Alphabet Announced By Navy.*

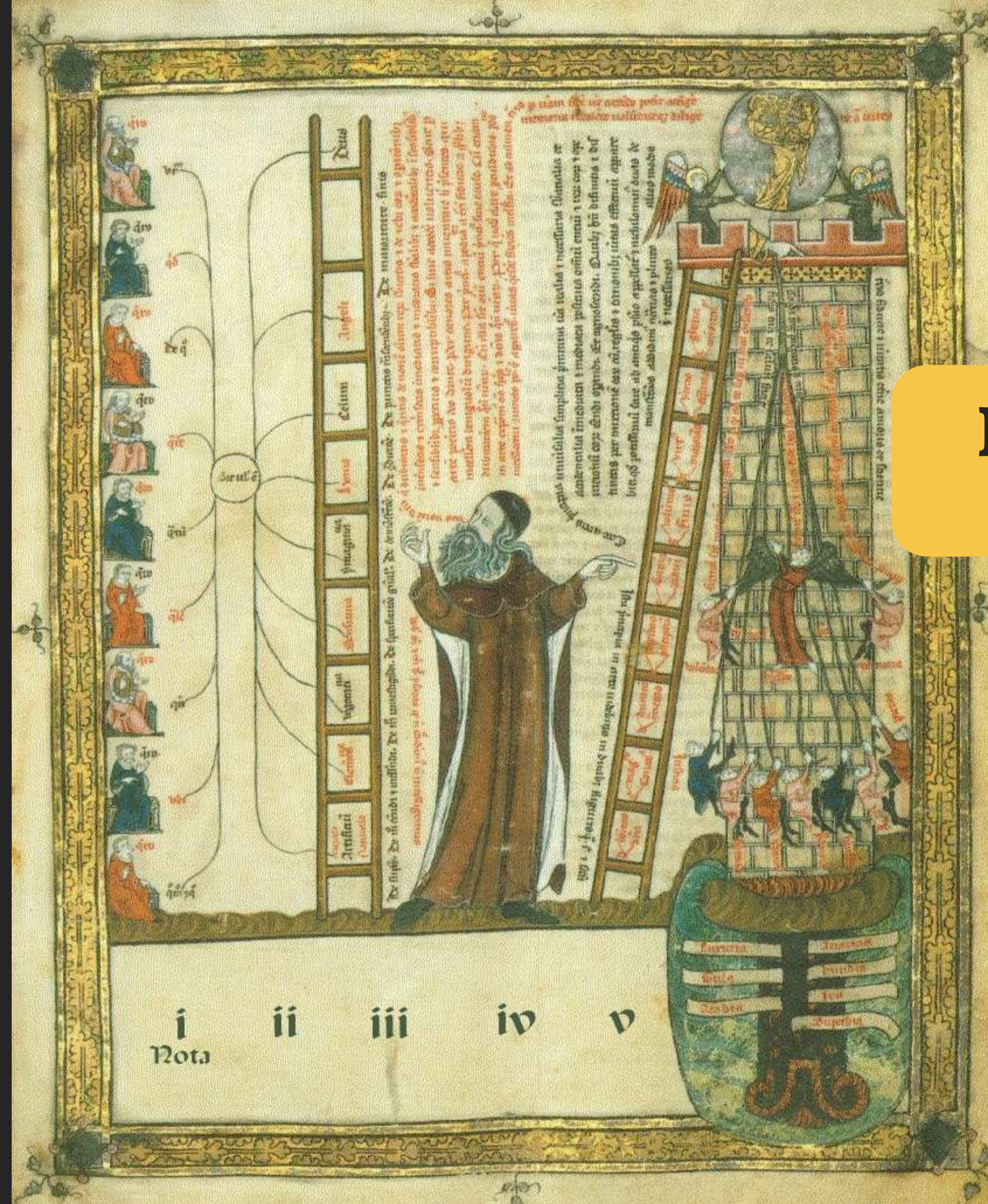


Mythe du **Golem**



The Maharal of Prague and the Golem
Mikoláš Aleš | 1899





Raymond Lulle

1305

Ars Magna

Miniature du Breviculum ex artibus de Raymon Lulle
Thomas Le Myésier | XIII-XIV siècles



Leibniz

1666

*Characteristica
Universalis
Calculus
Ratiocinator*

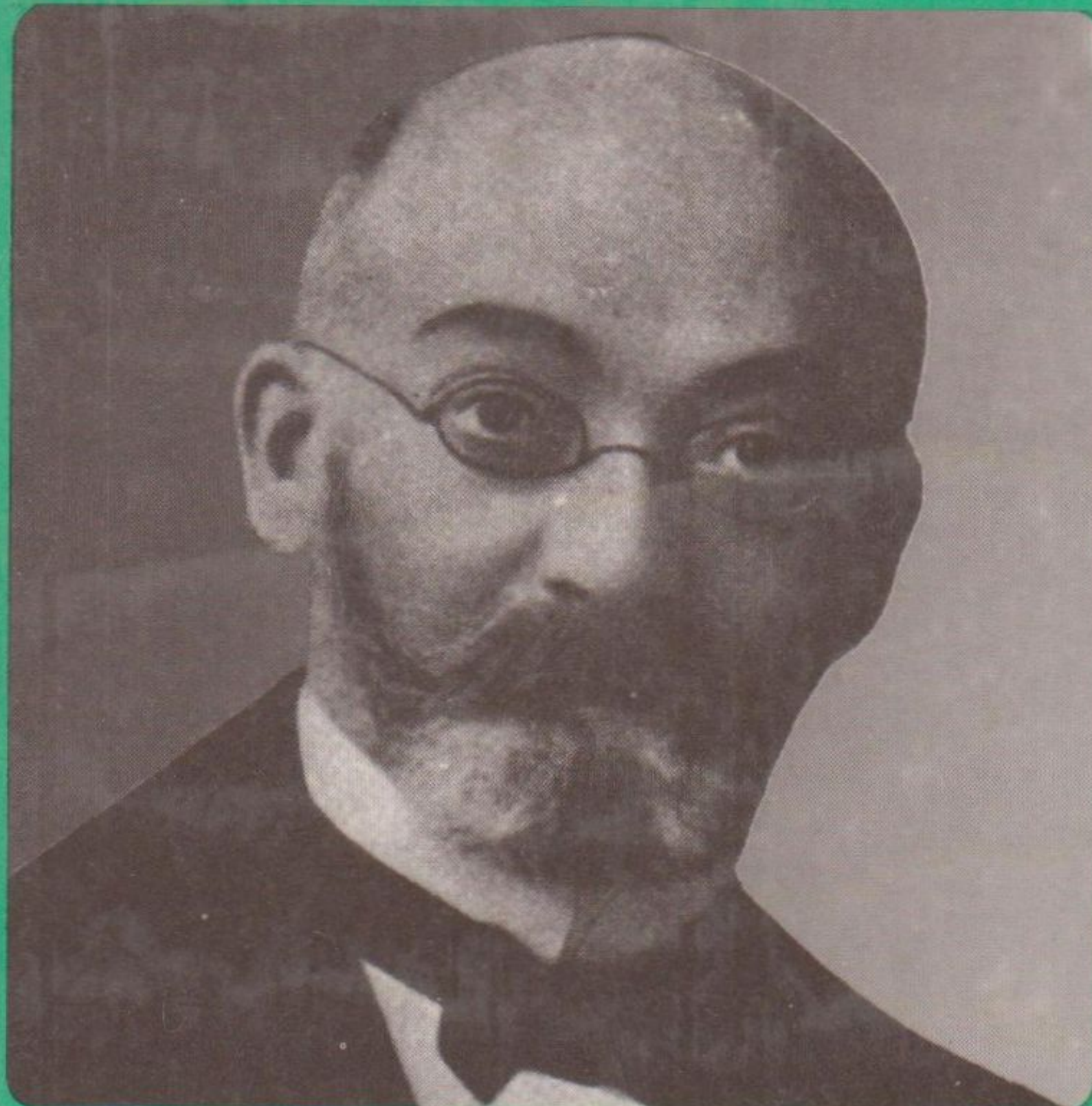


*Machine à calculer les quatre opérations de Leibniz
1690*

*Portrait de Gottfried Leibniz
Christoph Bernhard Francke | 1695*



L.L. ZAMENHOF FUNDAMENTO DE ESPERANTO



Edistudio

Esperanto

1887

*"La internacia
lingvo"*

```
masculin(alan).
masculin(carlos).
masculin(luis).
masculin(ivan).
féminin(ana).
féminin(andrea).
féminin(eugenia).
féminin(damaris).
```

```
mère(eugenia,ana).
mère(alan,damaris).
père(alan,luis).
père(ana,carlos).
père(andrea,luis).
père(eugenia,alan).
```

```
parent(X,Y) :- mère(X,Y).
parent(X,Y) :- père(X,Y).
```

```
grand-parent(X,G) :- père(P,G), mère(X,P).
grand-parent(X,G) :- père(X,P), mère(P,G).
```

```
frère(X,Y) :- masculin(Y), parent(X,P), parent(Y,P), not(X=Y).
soeur(X,Y) :- féminin(Y), parent(X,P), parent(Y,P), not(X=Y).
```

```
oncle(X,U) :- mère(X,P), frère(P,U).
oncle(X,U) :- père(X,P), frère(P,U).
```

*Langage de
programmation*

1972

Prolog

**I.A.
symbolique**



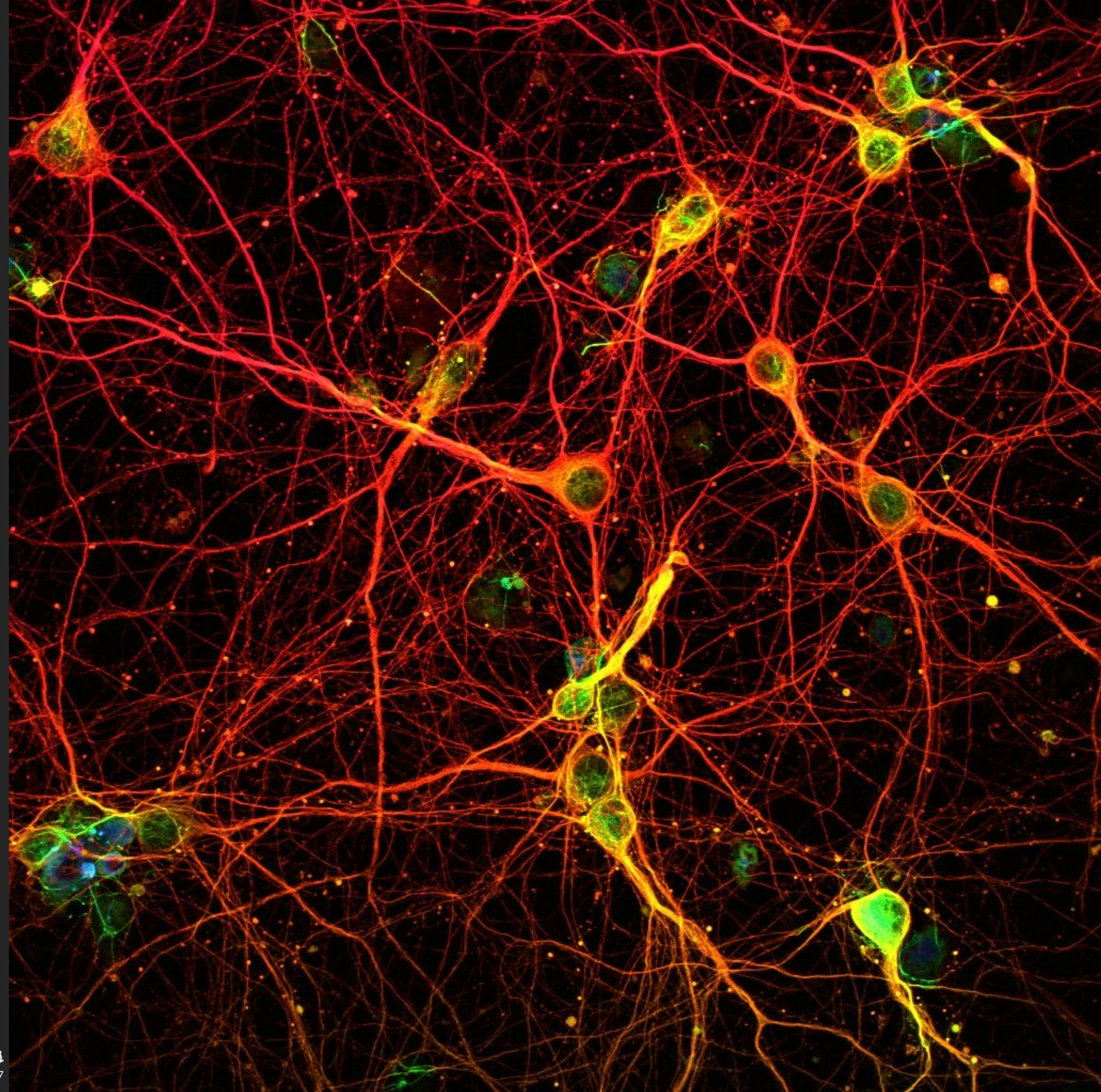
**Walter
Pitts**

**Warren
McCullogh**

1943

*"A logical calculus of the
Ideas Immanent in
Nervous activity"*

Neurones corticaux de souris
2017



Alan Turing

~1930-1954

Machine de Turing
Premier Ordinateur
Test de Turing
et biologie mathématique

Alan Turing
1938



**John
McCarthy**

1956
Intelligence Artificielle

John McCarthy
2006



Welcome to

```
EEEEEE LL      IIII  ZZZZZZ  AAAAA
EE      LL      II    ZZ    AA    AA
EEEEEE LL      II    ZZZ    AAAAAA
EE      LL      II    ZZ    AA    AA
EEEEEE LLLLLL IIII  ZZZZZZ  AA    AA
```

Eliza is a mock Rogerian psychotherapist.

The original program was described by Joseph Weizenbaum in 1966.

This implementation by Norbert Landsteiner 2005.

ELIZA: Is something troubling you ?

YOU: Men are all alike.

ELIZA: What is the connection, do you suppose ?

YOU: They're always bugging us about something or other.

ELIZA: Can you think of a specific example ?

YOU: Well, my boyfriend made me come here.

ELIZA: Is it important to you that your boyfriend made you come here ?

YOU: He says I'm depressed much of the time.

ELIZA: I am sorry to hear that you are depressed.

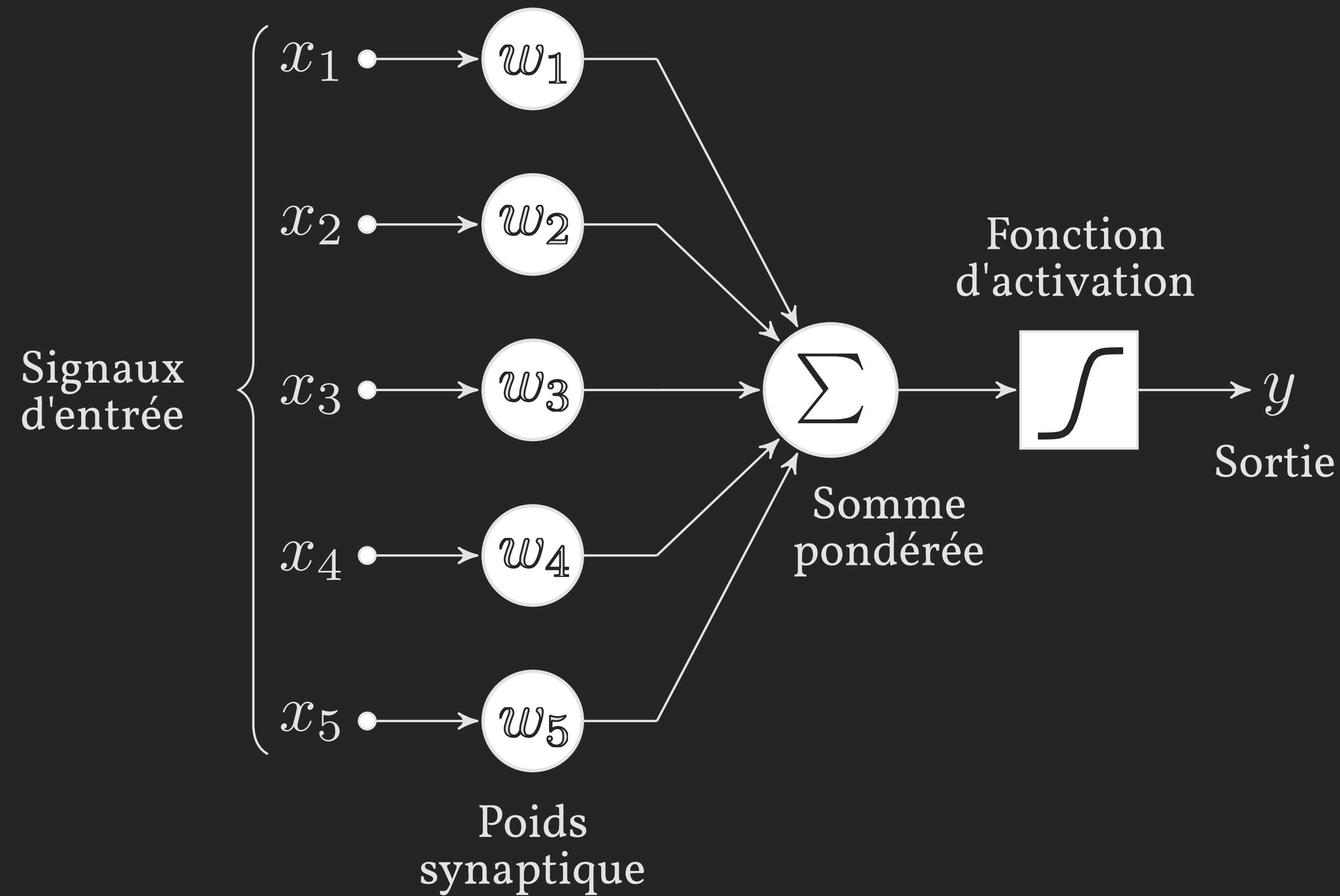
YOU: It's true. I am unhappy.

ELIZA: Can you explain what made you unhappy ?

YOU:

1966





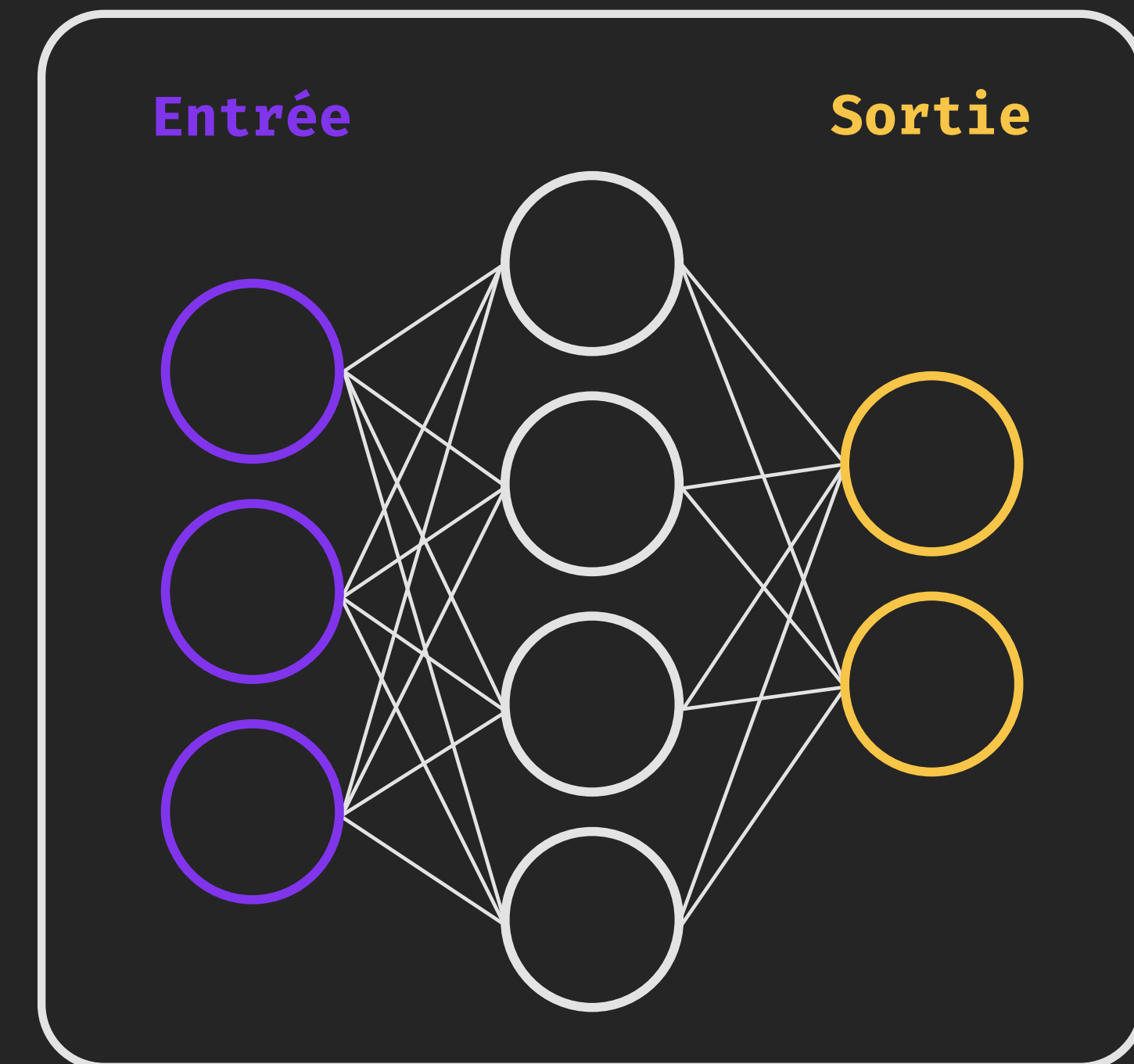
**Frank
Rosenblatt**

1957
Perceptron



I.A. statistique

Connexionnisme



Réseau de neurones artificiels

I.A. symbolique

```
masculino(alan).
masculino(carlos).
masculino(luis).
masculino(ivan).
feminino(ana).
feminino(andrea).
feminino(eugenia).
feminino(damaris).
```

```
madre(eugenia, alan).
madre(alan, damaris).
padre(alan, luis).
padre(ana, carlos).
padre(andrea, luis).
padre(eugenia, alan).
```

```
padres(X,Y) :- madre(X,Y).
padres(X,Y) :- padre(X,Y).
```

```
abuelo(X,G) :- padre(P,G), madre(X,P).
abuelo(X,G) :- padre(X,P), madre(P,G).
```

```
hermano(X,Y) :- masculino(Y), padres(X,P), padres(Y,P),
not(X=Y).
hermana(X,Y) :- femenino(Y), padres(X,P), padres(Y,P), not(X=Y).
```

```
tio(X,U) :- madre(X,P), hermano(P,U).
```



Apprentissage profond

*Weights and biases
in Stockfish's
Neural network
2021*

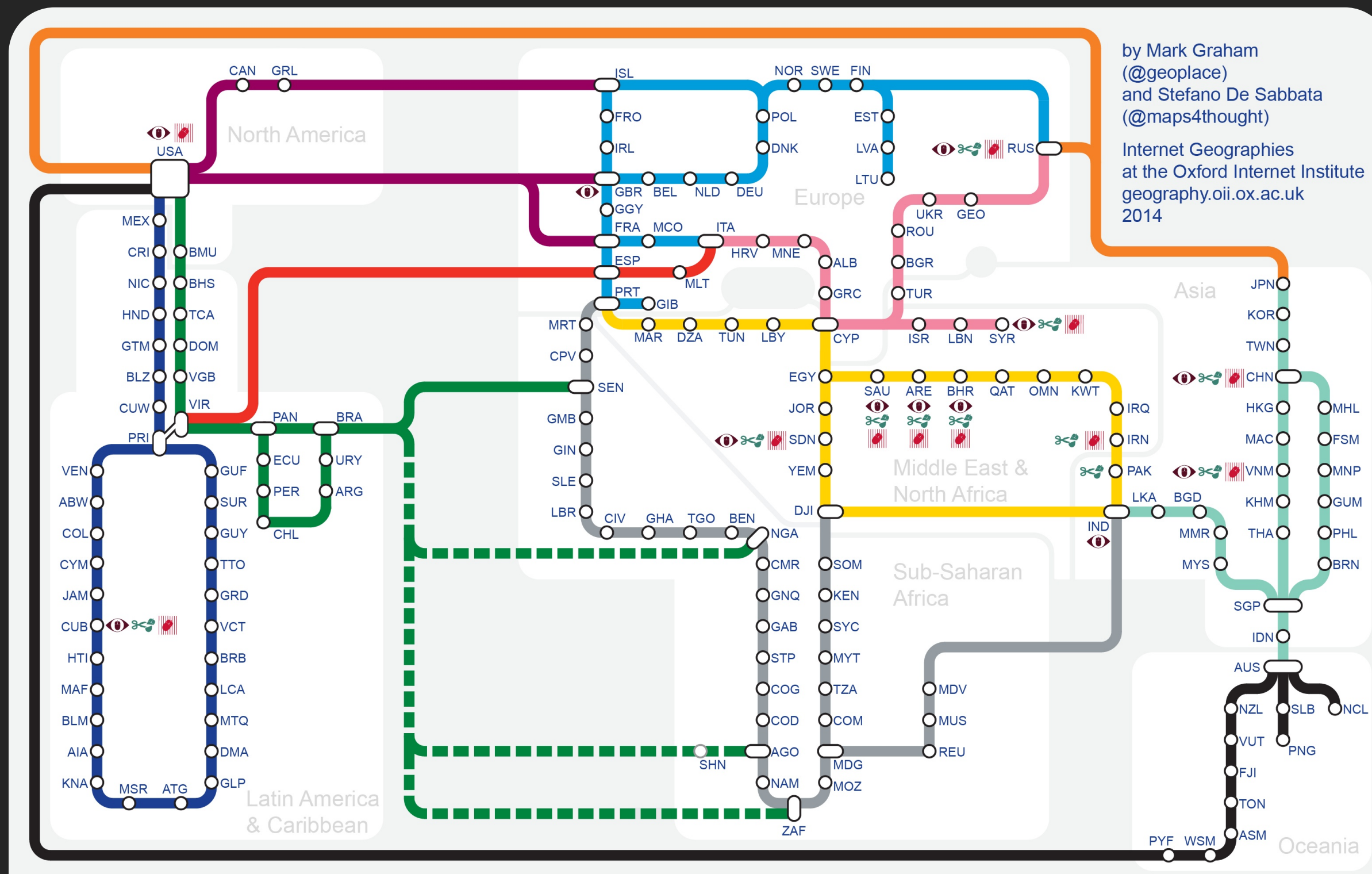




A diseased brain of an eleven year old child; and a section of it in detail.

C. J. Canton; William Thomas Fry; Richard Bright | 1830





Internet Tube

An abstraction of the global submarine fibre-optic cable network



Wikimedia Foundation Servers
2012





État

de l'I.A.

Les quatre cavaliers de l'apocalypse
Viktor Vasnetsov | 1887

Léger

Questionnements
Lourd

Outils classiques

Grandes IA génératives

Match move
UV Unwrap

Manuelle

Rotoscopia

Automatique

Denoise

Content Aware
Fill

Depth pass
extraction

Upscale

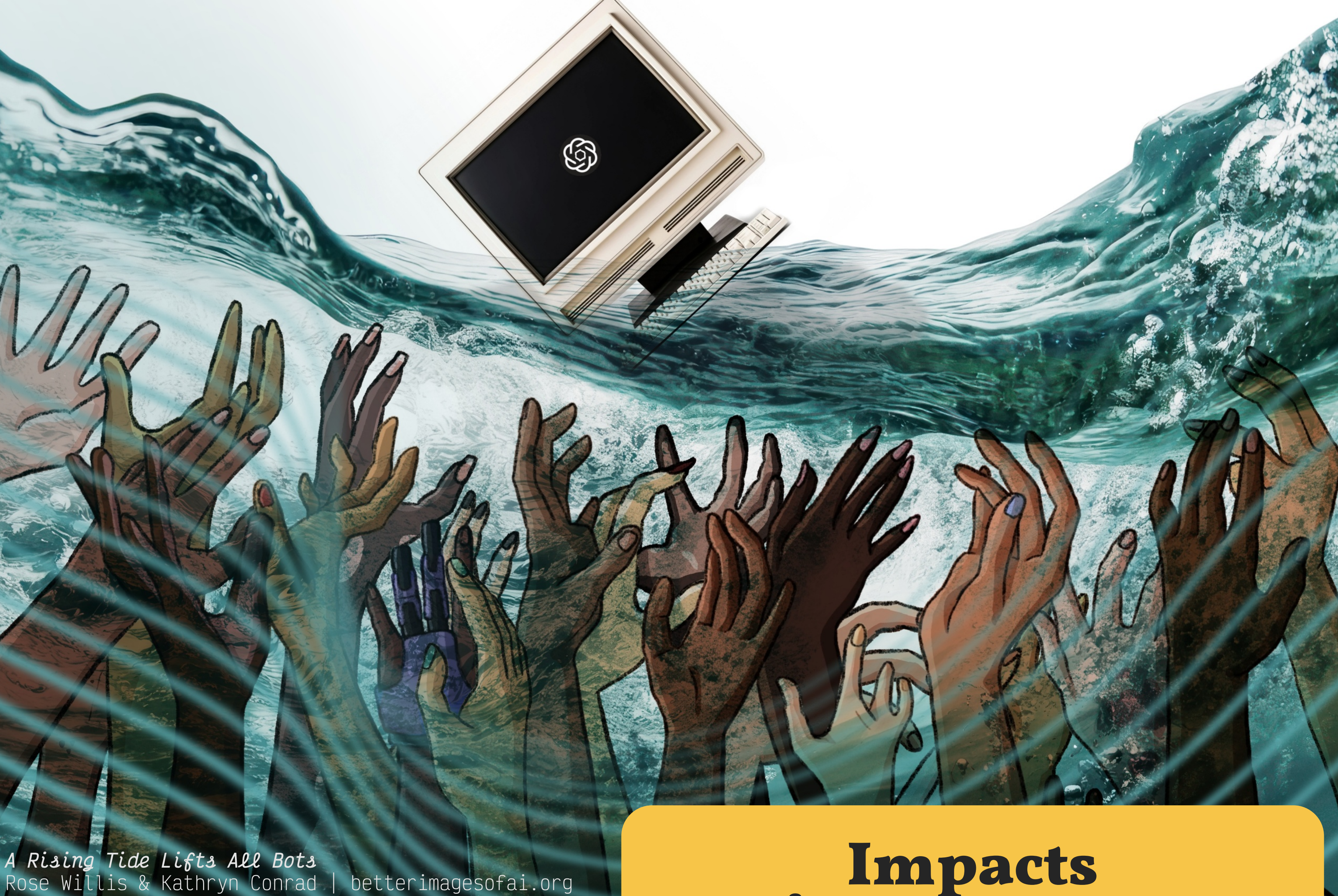
Génération

Méthodes
analytiques

Apprentissage
automatique

Apprentissage
prodond





A Rising Tide Lifts All Bots
Rose Willis & Kathryn Conrad | betterimagesofai.org

Impacts environnementaux



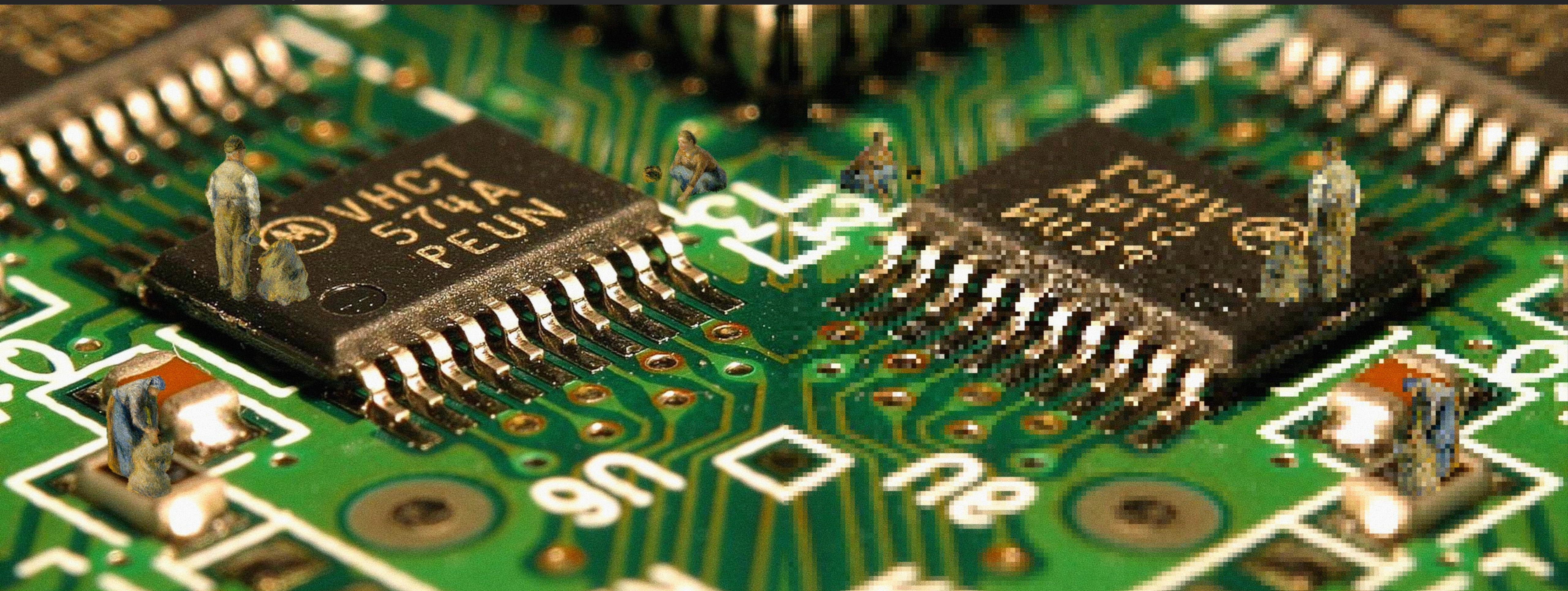
Distorted Sand Mine
Lone Thomasky & Bits&Bäume | betterimagesofai.org

État de l'IA
Impacts



Impacts sociaux

Occupational Circularity
Elise Racine & Digit | betterimagesofai.org



Impacts sociaux

cachés

État de l'IA
Impacts



Labour/Resources
Clarote & AI4Media | betterimagesofai.org

Wheel of Progress
Leo Lau & Digit | betterimagesofai.org

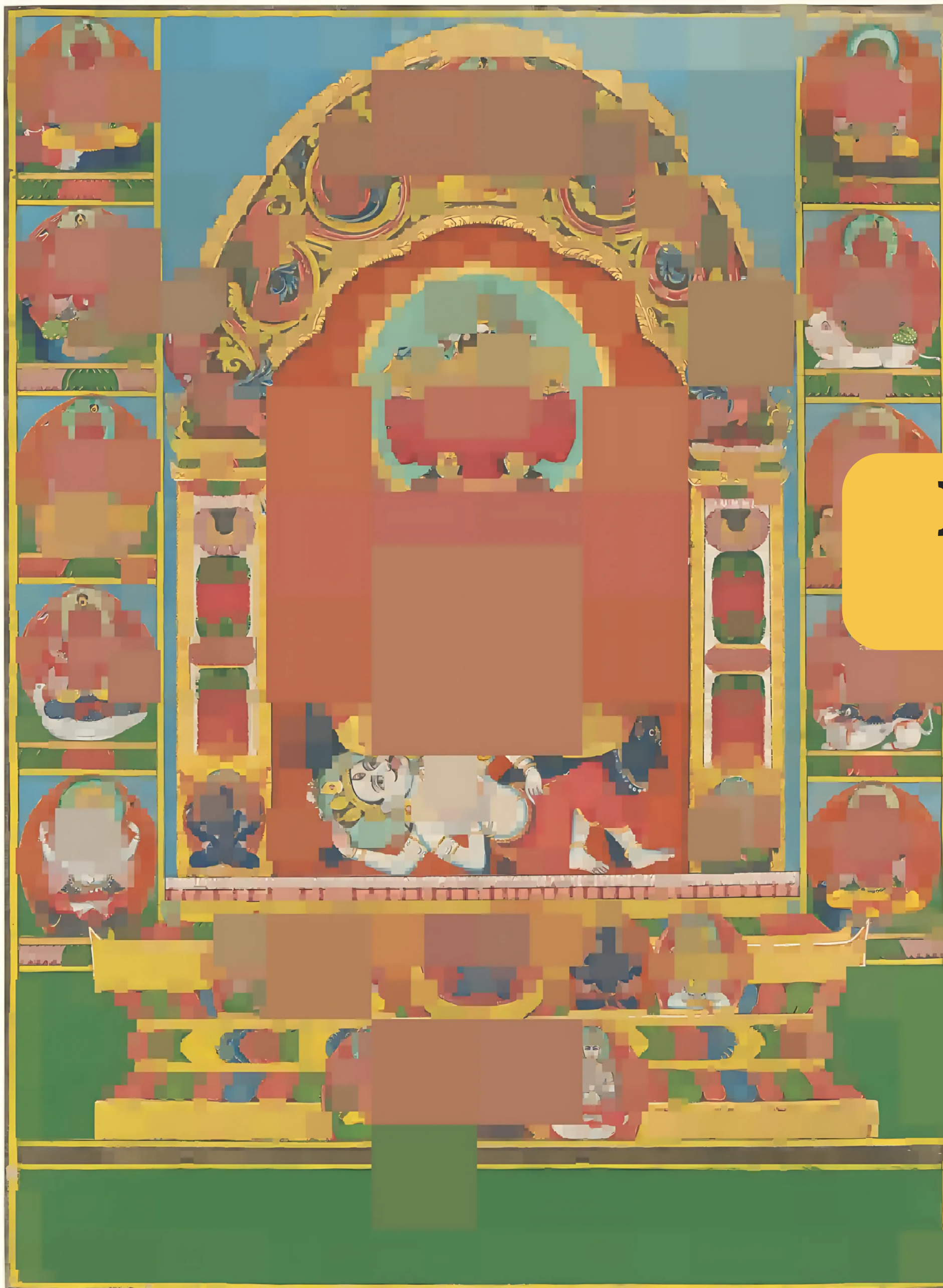


Bulle économique

Soap bubble and a cloud
Oleg Yunakov | 2022



Risque philosophique



Erasure by Aggregation
Nadia Piet &
Archival Images of AI + AIXDESIGN
betterimagesofai.org



Léger

Lourd
Questionnements

Outils classiques

Grandes IA génératives

Match move
UV Unwrap

Manuelle

Rotoscopia

Automatique

Denoise

Content Aware
Fill

Depth pass
extraction

Upscale

Génération

**Méthodes
analytiques**

**Apprentissage
automatique**

**Apprentissage
profond**



Propriété Intellectuelle



Norman Rockwell's 'self portrait.' as HAL 9000
Cory Doctorow | 2023



Disney's Steamboat Willie piloting toward
PUBLIC DOMAIN
Cory Doctorow | 2023



"Good enough?"



AI Ouija
Cory Doctorow | 2024



Industrie Culturelle

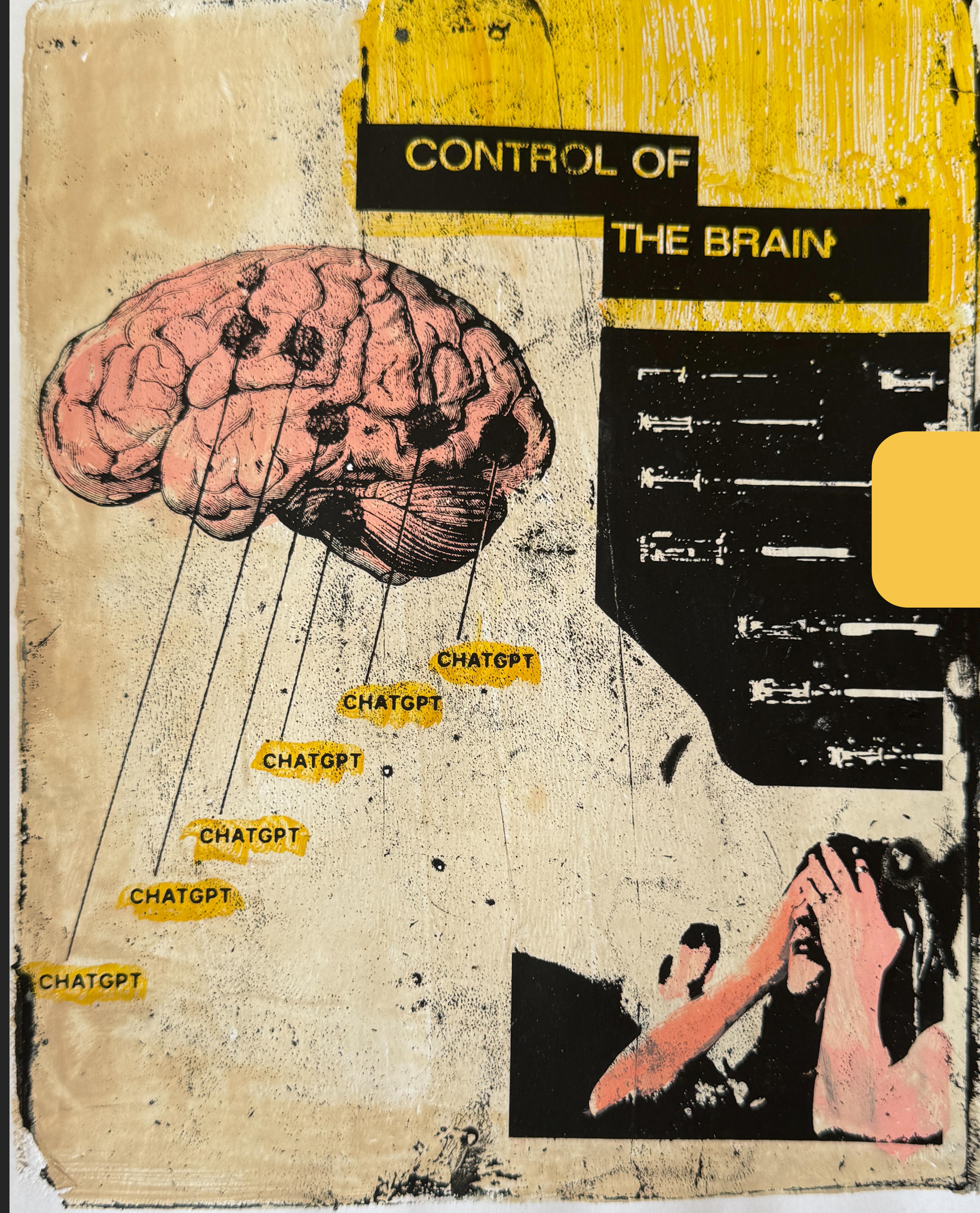
Devant : Max Horkheimer and
Theodor W. Adorno.
Derrière à gauche : Siegfried
Landshut.
Derrière à droite (main dans les
cheveux) : Jürgen Habermas.
Jeremy J. Shapiro | 1964





A Corner Of The History
Reihaneh Golpayegani & The Bigger Picture |
betterimagesofai.org





Éducation

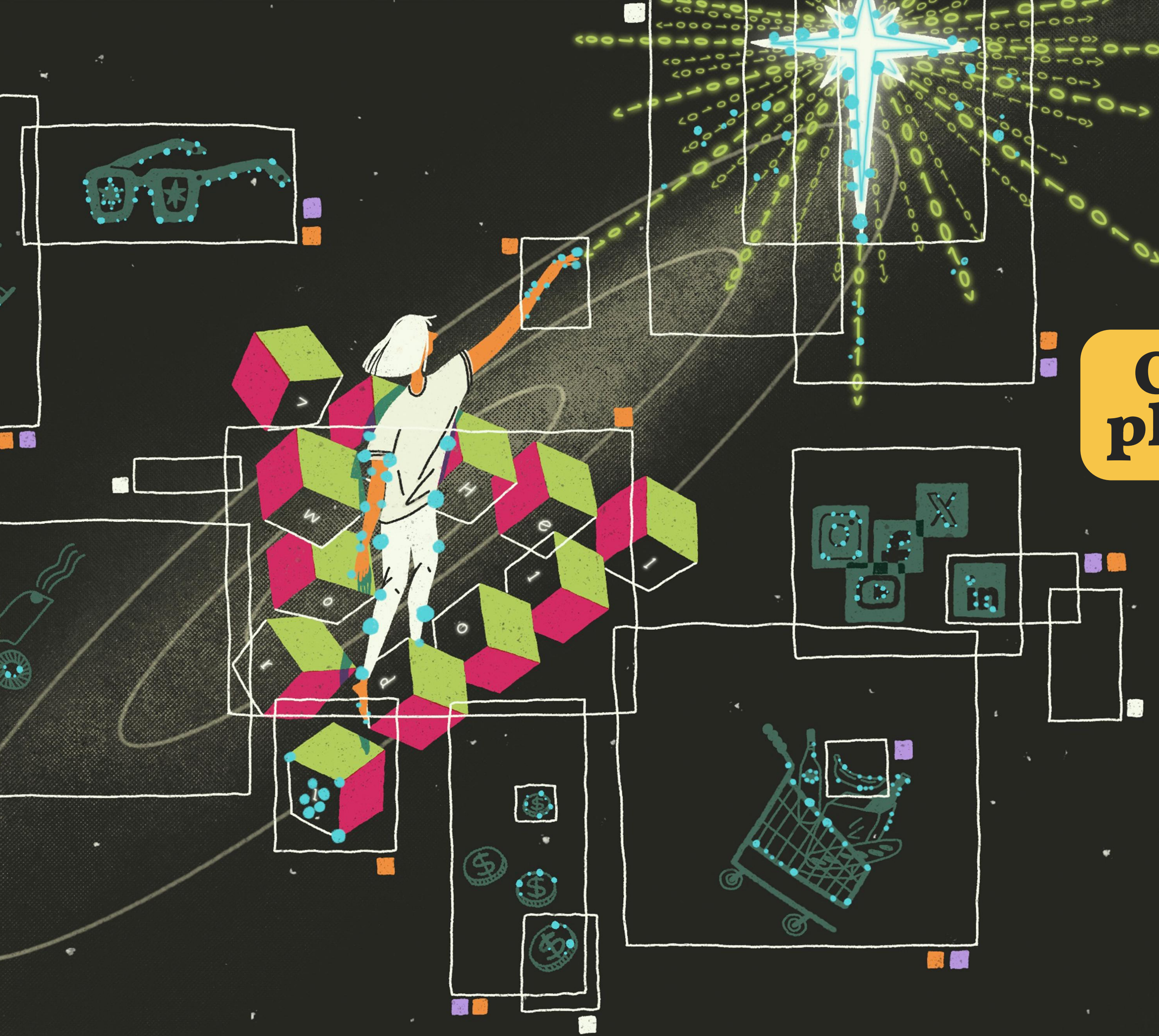
Brain Control

Bart Fish & Power Tools of AI | betterimagesofai.org



Bénéfices
et Coûts





Conséquences philosophiques

de l'intelligence artificielle

AI is Everywhere
Yutong Liu & The Bigger Picture | betterimagesofai.org





Salade de lettres
Artiste inconnu | fin du 19^e siècle



Rationalisme

IA symbolique

IA statistique

Empirisme

Connexionnisme





Musca domestica during copulation
Tomas Castelazo | 2013



Stochastic Parrots at Work
IceMing & Digit | betterimagesofai.org

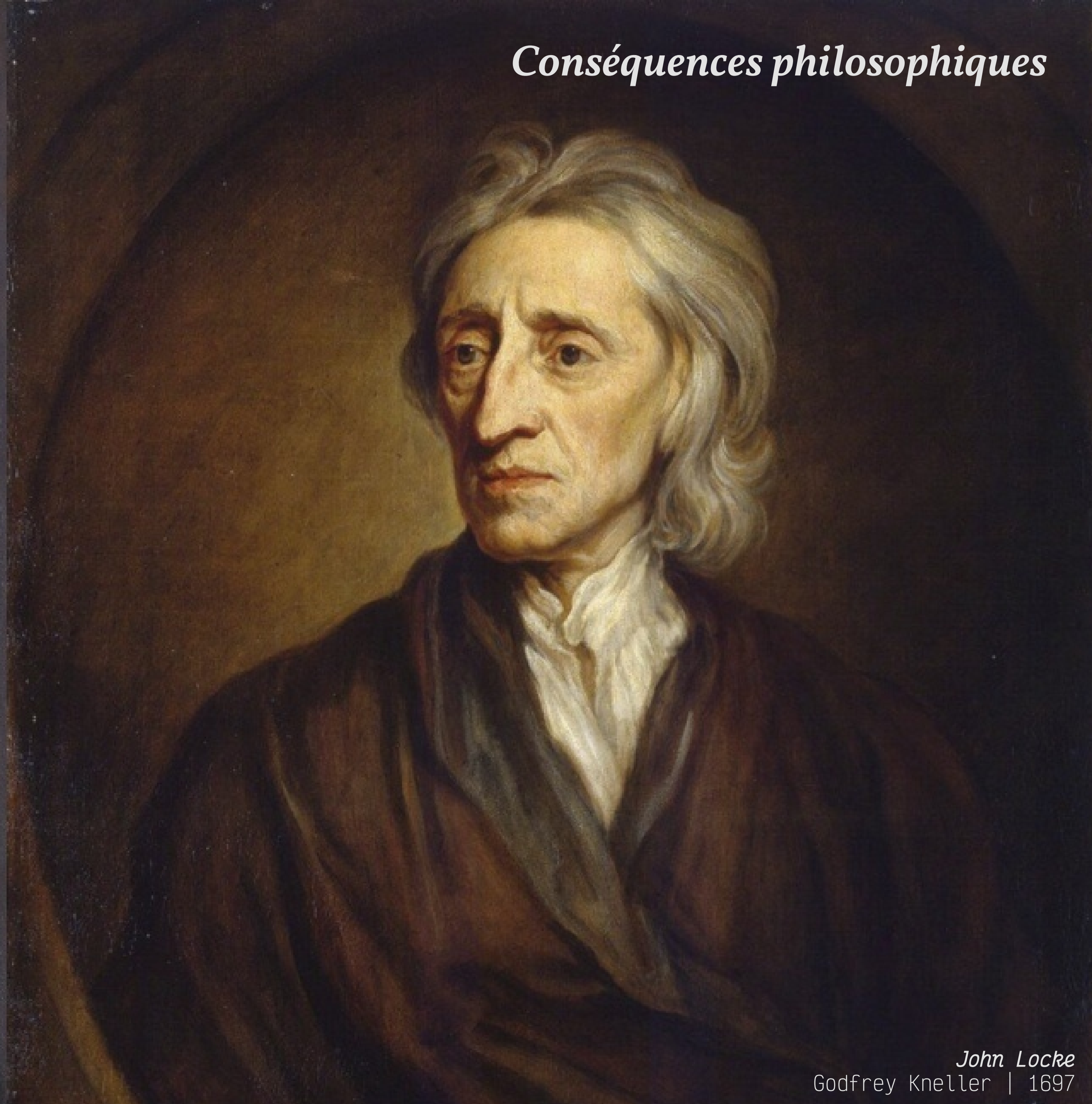


A diseased brain of an eleven year old child; and a section of it in detail.
C. J. Canton; William Thomas Fry;
Richard Bright | 1830





Gottfried Wilhelm Leibniz
Christoph Bernhard Francke | fin du 17^e siècle



John Locke
Godfrey Kneller | 1697



Conséquences
philosophiques

Grokking



Sortie de l'opéra
en l'an 2000
Albert Robida | 1902





Data Mining 3
Hanna Barakat &
Archival Images of AI + AIxDESIGN
betterimagesofai.org



La boîte noire

Talking to AI 2.0
Yutong Liu & Kingston School of Art
betterimagesofai.org




```
masculino(alan).  
masculino(carlos).  
masculino(luis).  
masculino(ivan).  
feminino(ana).  
feminino(andrea).  
feminino(eugenia).  
feminino(damaris).
```

```
madre(eugenia,ana).  
madre(alan,damaris).  
padre(alan,luis).  
padre(ana,carlos).  
padre(andrea,luis).  
padre(eugenia,alan).
```

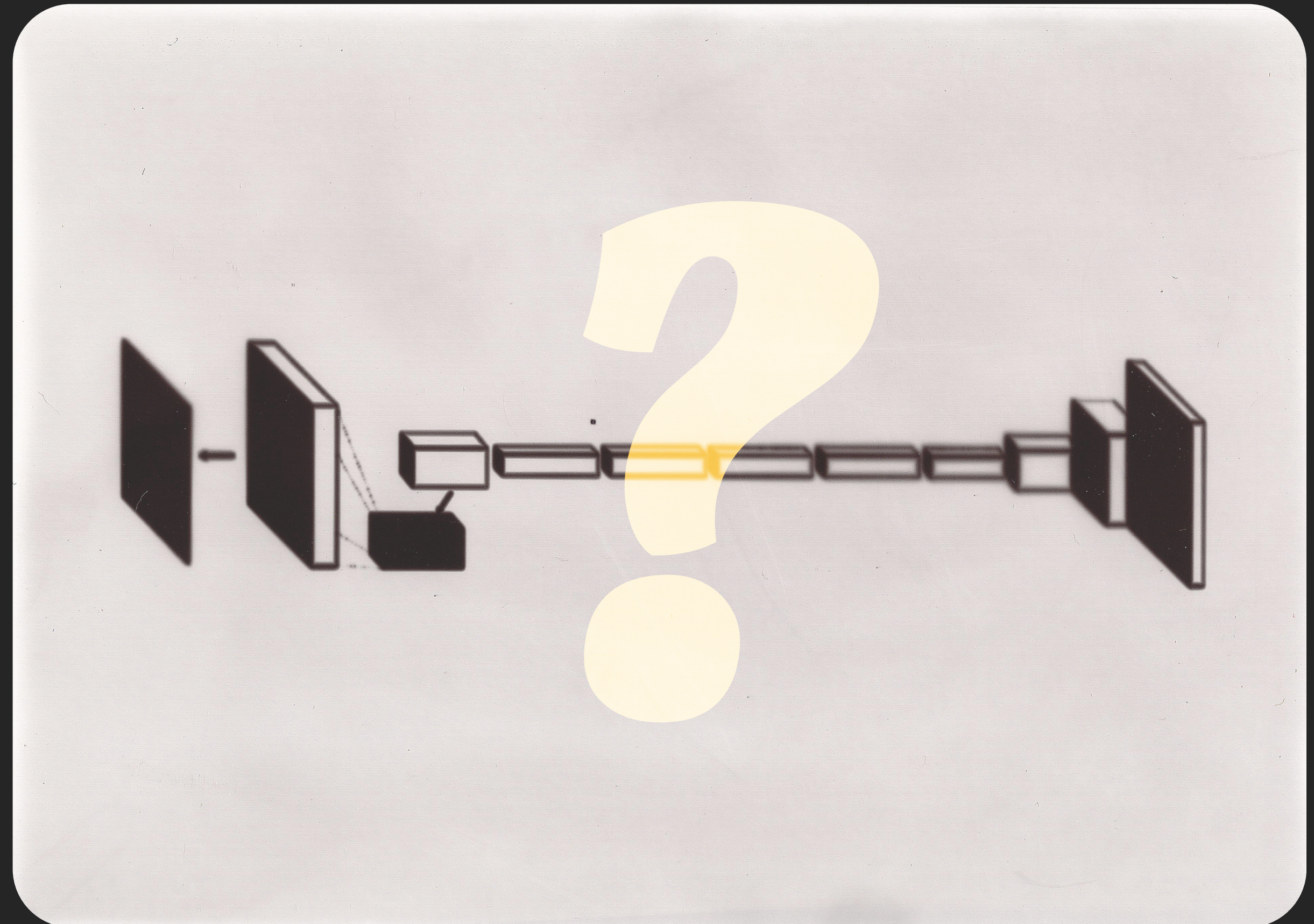
```
padres(X,Y) :- madre(X,Y).  
padres(X,Y) :- padre(X,Y).
```

```
abuelo(X,G) :- padre(P,G), madre(X,P).  
abuelo(X,G) :- padre(X,P), madre(P,G).
```

```
hermano(X,Y) :- masculino(Y), padres(X,P),  
                padres(Y,P), not(X=Y).  
hermana(X,Y) :- femenino(Y), padres(X,P),  
                padres(Y,P), not(X=Y).
```

```
tio(X,U) :- madre(X,P), hermano(P,U).  
tio(X,U) :- padre(X,P), hermano(P,U).
```

Sortie



Entrée





Elliott and E.T. cosplayer
Gage Skidmore | 2016



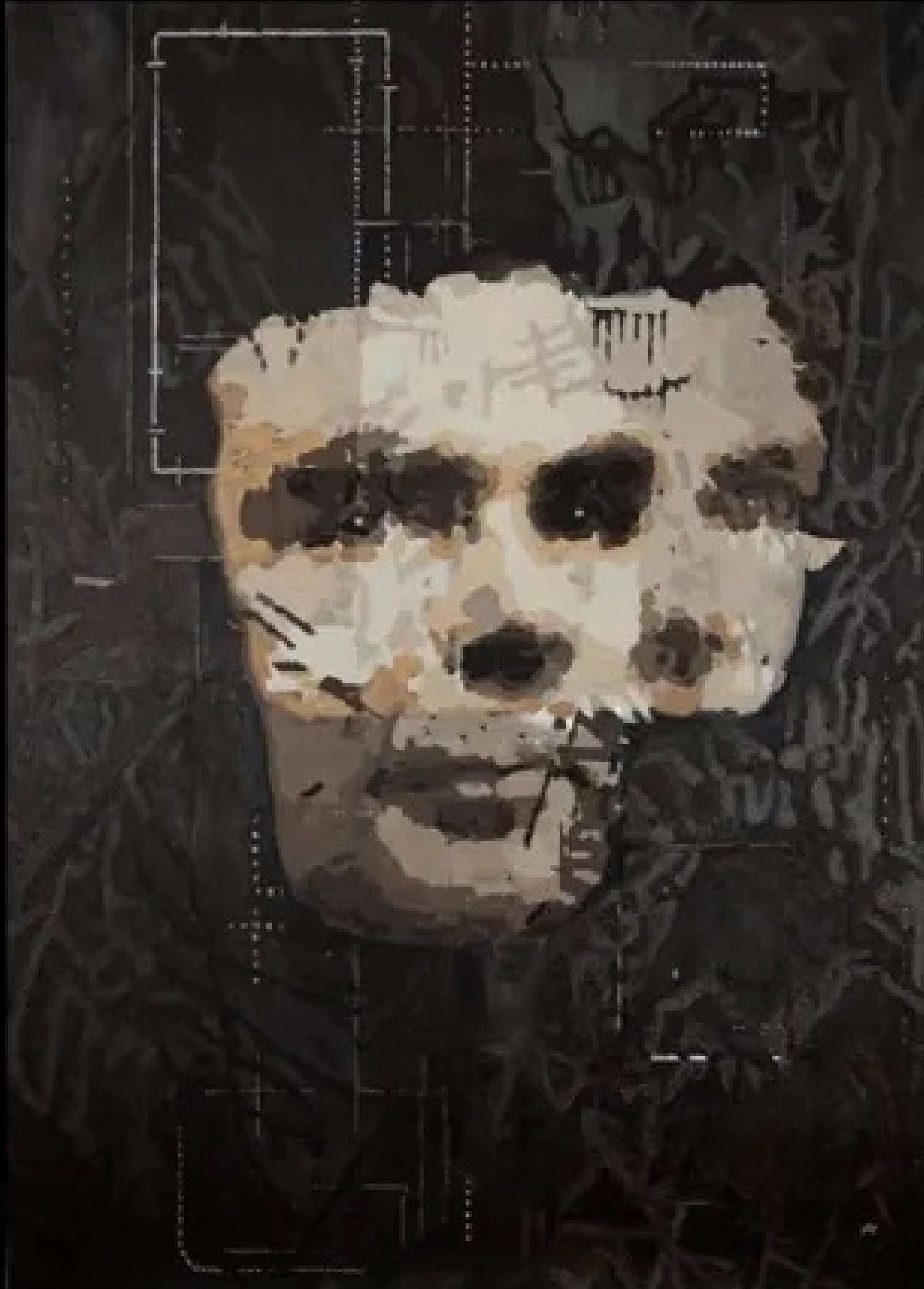


Loss of The Magnificent, 25 march 1804
John Christian Schetky



Faire
sans Savoir





Portraits de Alan Turing peints par un robot contrôlé par IA, 2024





Fishermen at Sea
J. M. W. Turner | 1796



Le temps

et le geste



El tiempo recortando las alas de Cupido
Pierre Mignard | 1694



**"Nulle pierre ne peut être polie sans friction,
nul Homme ne peut parfaire
son expérience sans épreuve."
Confucius**





Christina's World
Andrew Wyeth | 1948





Le voyageur contemplant une mer de nuages
Caspar David Friedrich | 1818

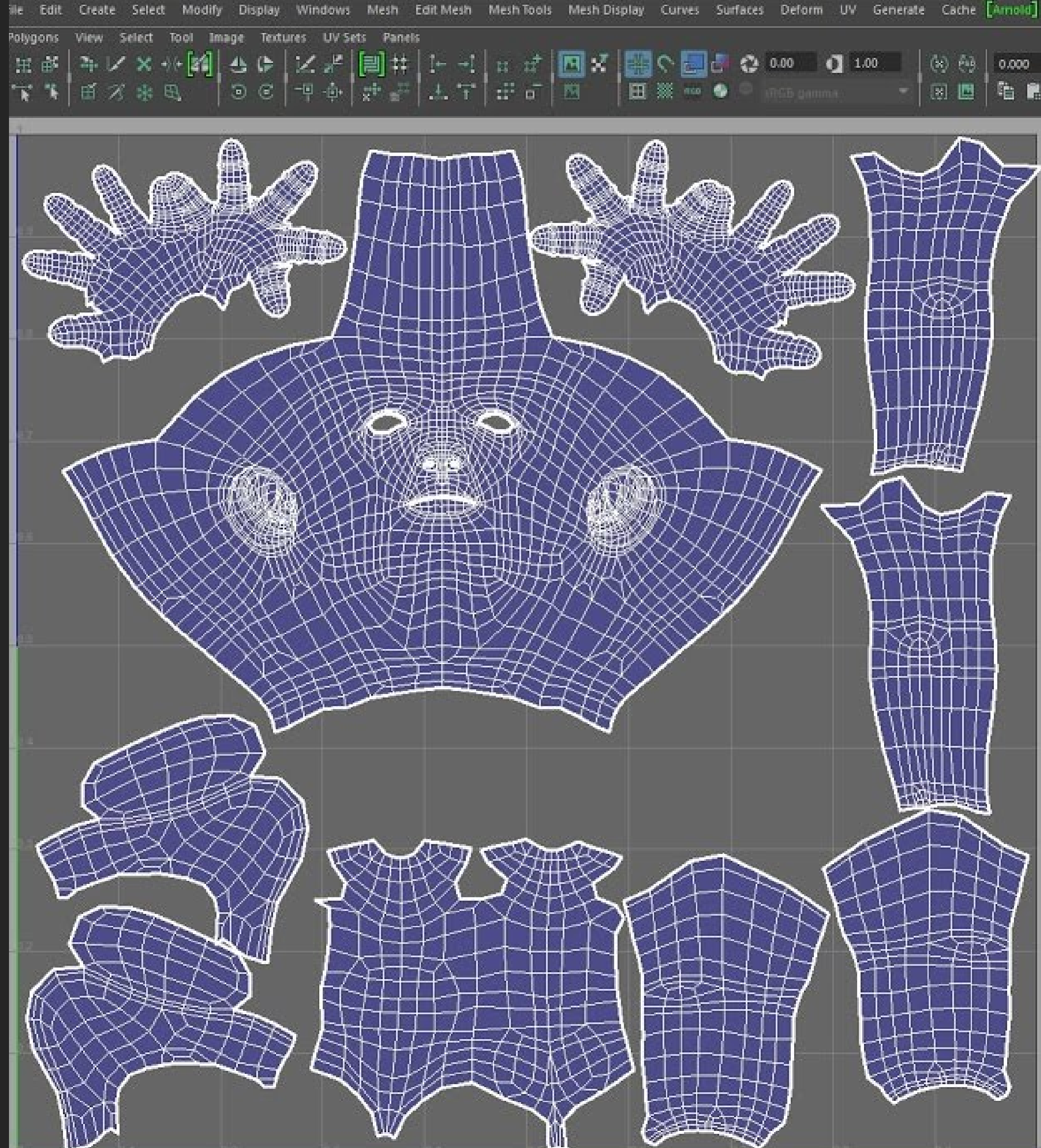




The Feeling of Dreams
Ariel Whitmore | 2022





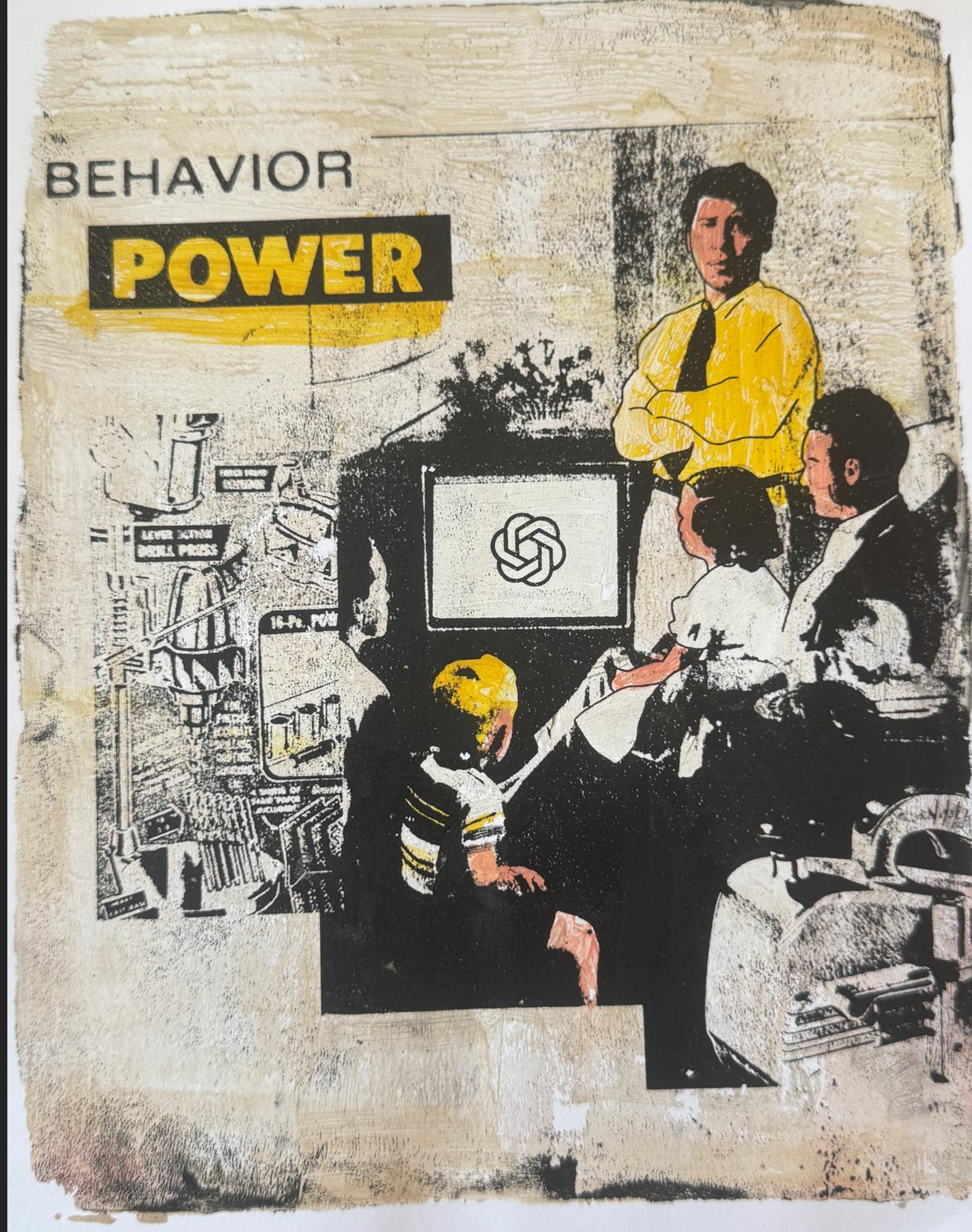


Conséquences philosophiques



Datafication
Kathryn Conrad
betterimagesofai.org





Behaviour Power
Bart Fish & Power Tools of AI
betterimagesofai.org



À Lire
à voir
à écouter
Garanti sans I.A.



Le trou noir philosophique





La fourmi dans la coquille

Podcast

lafourmi.media





Kurtzgesagt

*AI Slop is Destroying
The Internet*





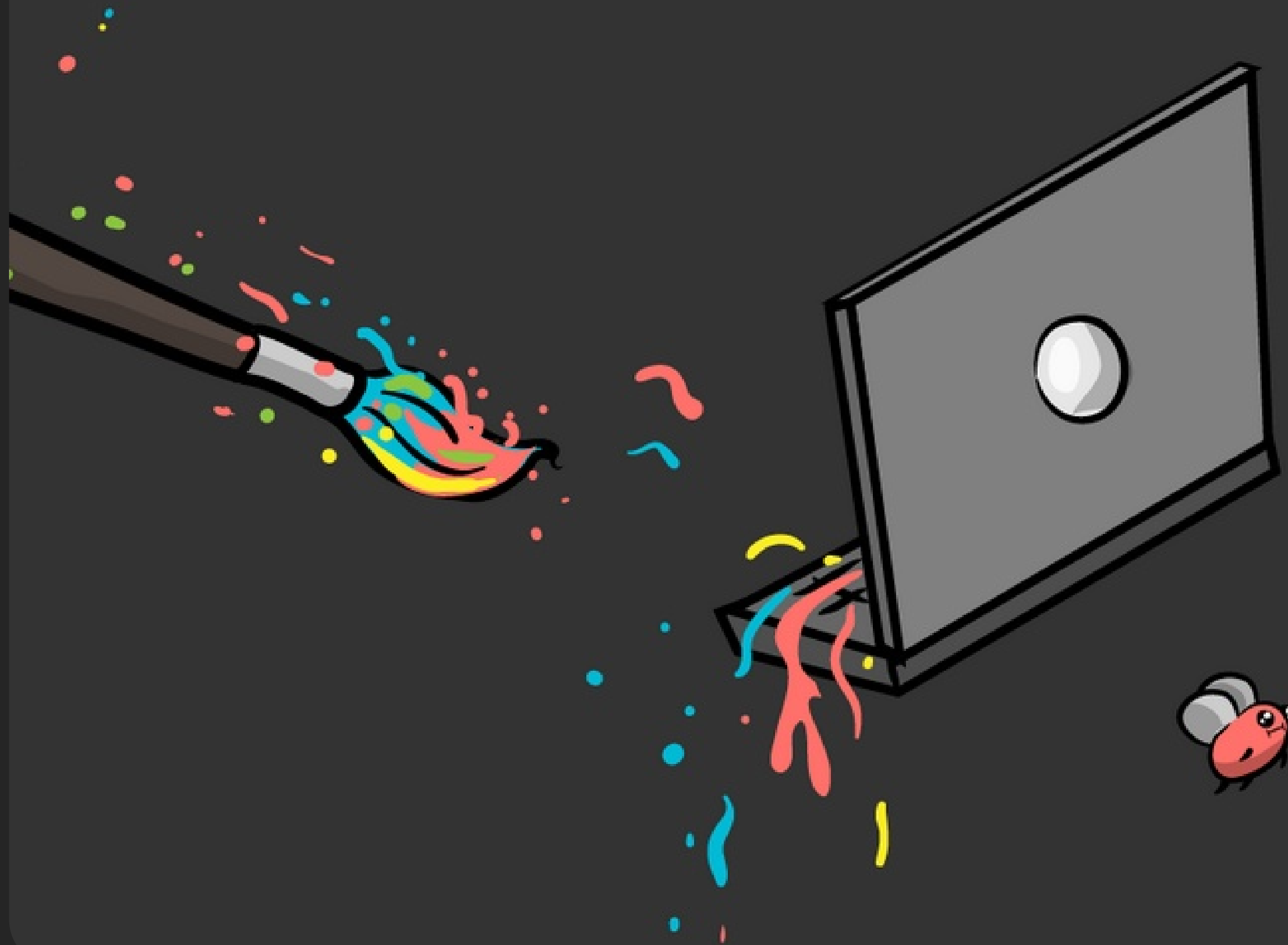
L'IA va-t-elle
tuer Internet ?

Documentaire

de Mario Sixtus, 2025



Let's talk about AI art.



The Oatmeal





The Red Hand Files

Nick Cave, 2023

I asked Chat GPT to write a song in the style of Nick Cave





**Peut-on créer une
langue par IA ?**

Linguisticae, 2025



Merci !

[duduf.com](#) / [lafourmi.media](#)

Nicolas Dufresne
a.k.a. Duduf

