

Humanités numériques



labelisé école MINT 2019–2024
par l'Académie des sciences naturelles

Le lien entre technologie et sciences humaines

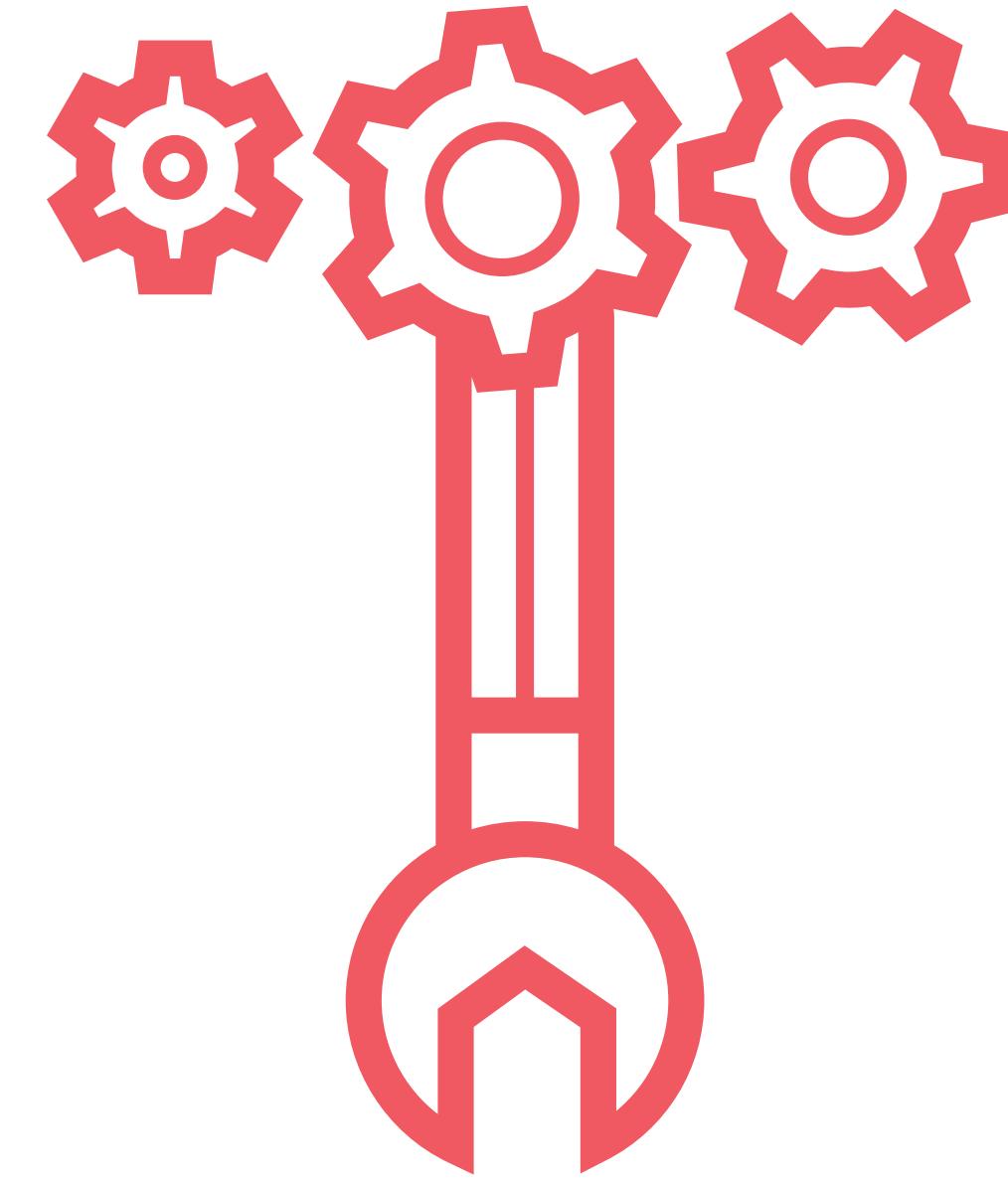
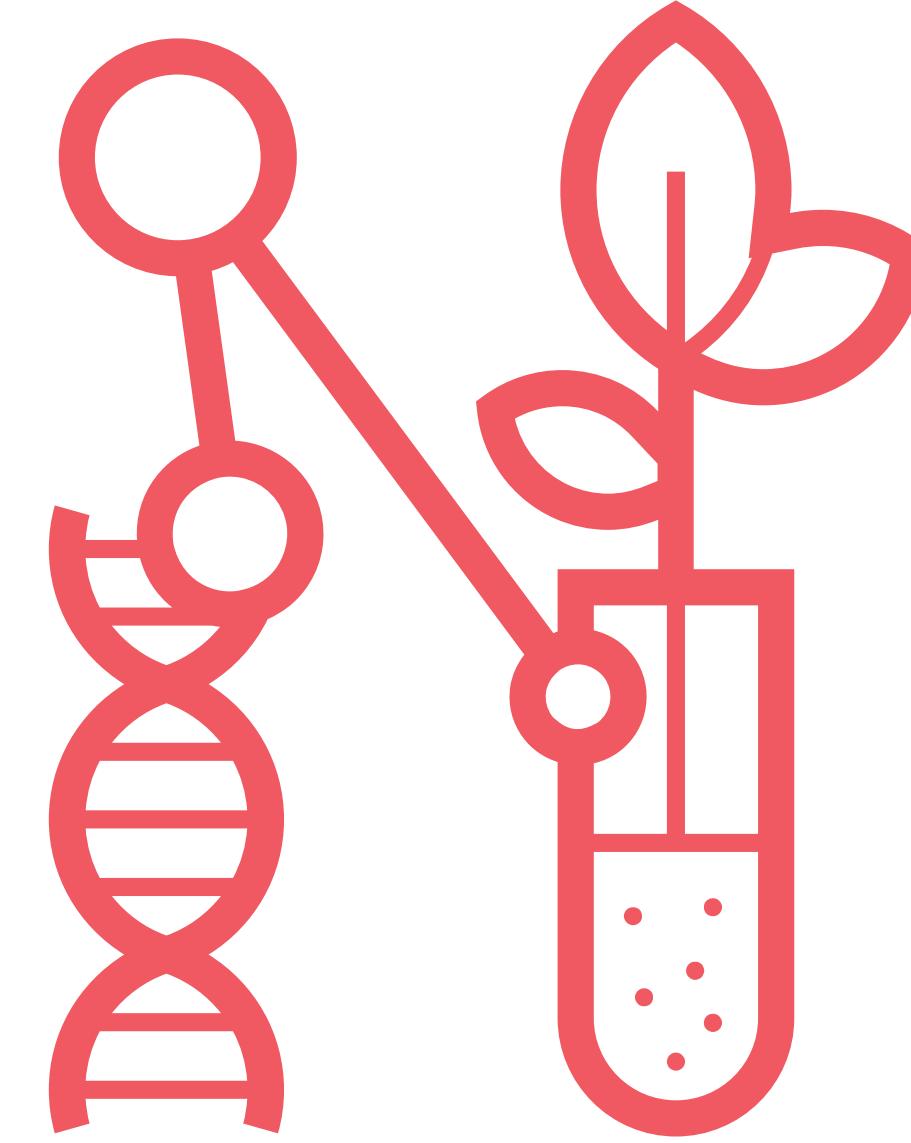
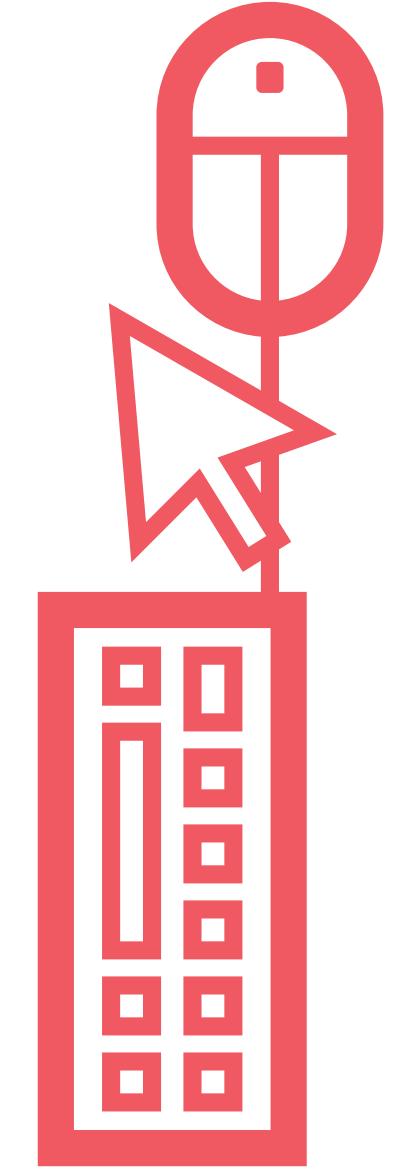
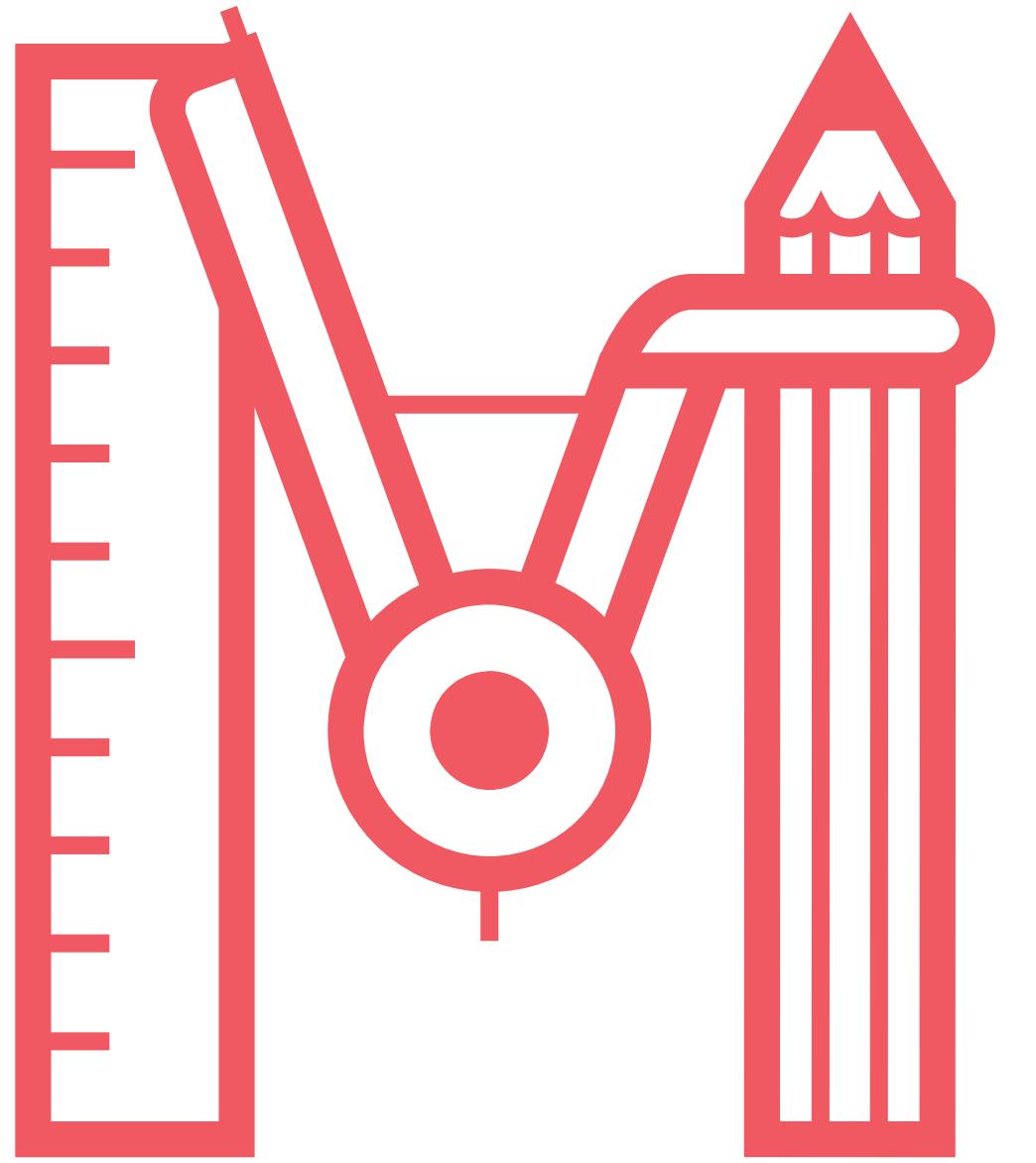
Isaac Pante

**Maître d'enseignement et de recherche en
Culture et édition numérique**

Paul Scherrer Institut | 6.6.2019

Unil
UNIL | Université de Lausanne
Section des sciences
du langage
et de l'information

sc | nat⁺
Swiss Academy of Sciences
Akademie der Naturwissenschaften
Accademia di scienze naturali
Académie des sciences naturelles



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Jean Miélot at his desk, Wikimedia Commons

$$F(x) = g \quad \text{avec} \quad F : x \rightarrow F_x(t) = \int_a^b K(t, \mu) x(\mu) d\mu.$$



MÉTAPHORES ET SUGGESTIONS HYPNOTIQUES

Un livre de l'*American Society of Clinical Hypnosis*

sous la direction de
D. Corydon Hammond



Suggestions pour les mathématiques ou les statistiques

Certaines personnes, qui ont des facilités pour l'étude des langues, n'ont pas les mêmes talents en mathématiques ou dans des domaines apparentés comme les statistiques.

Les "littéraires"

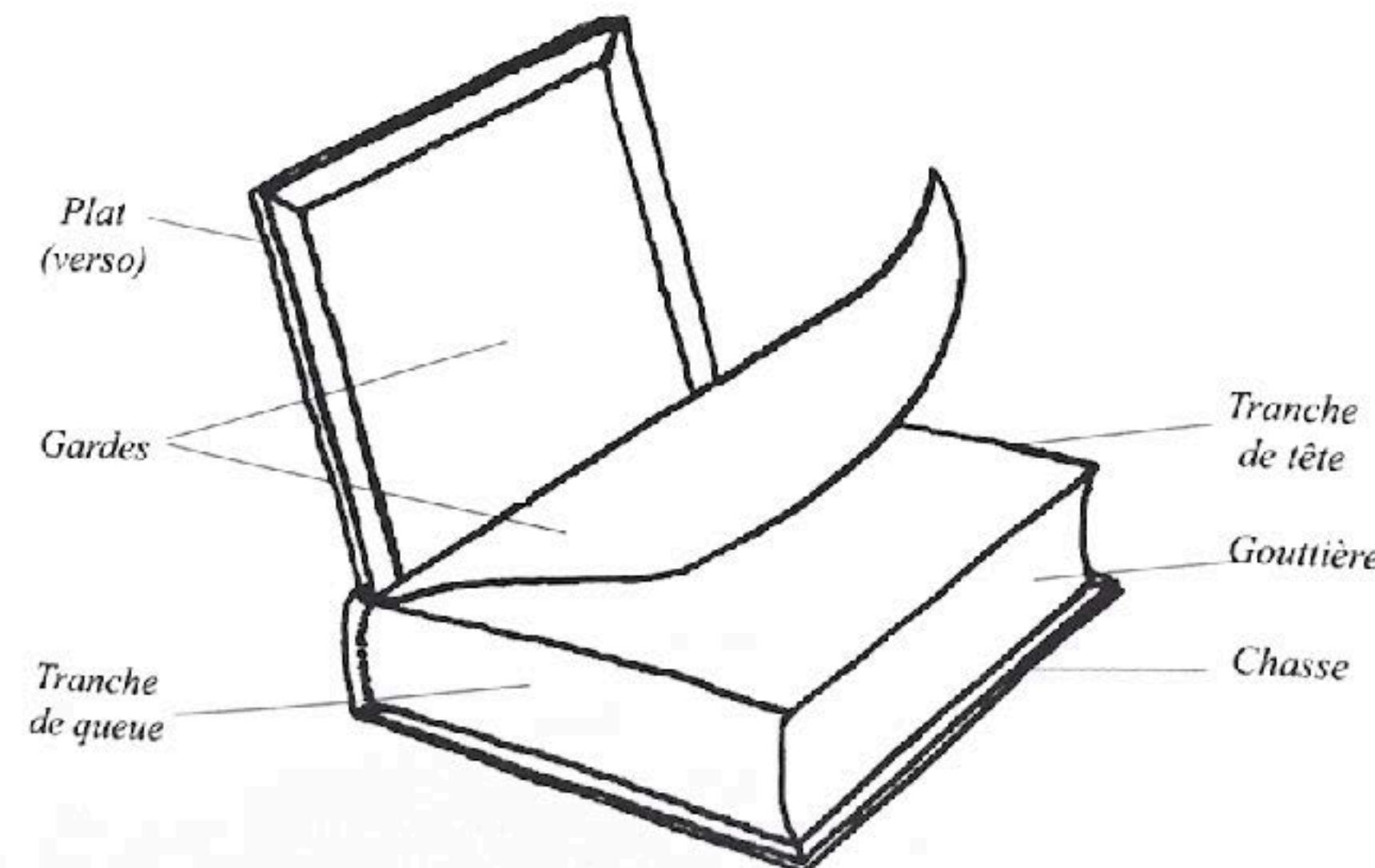
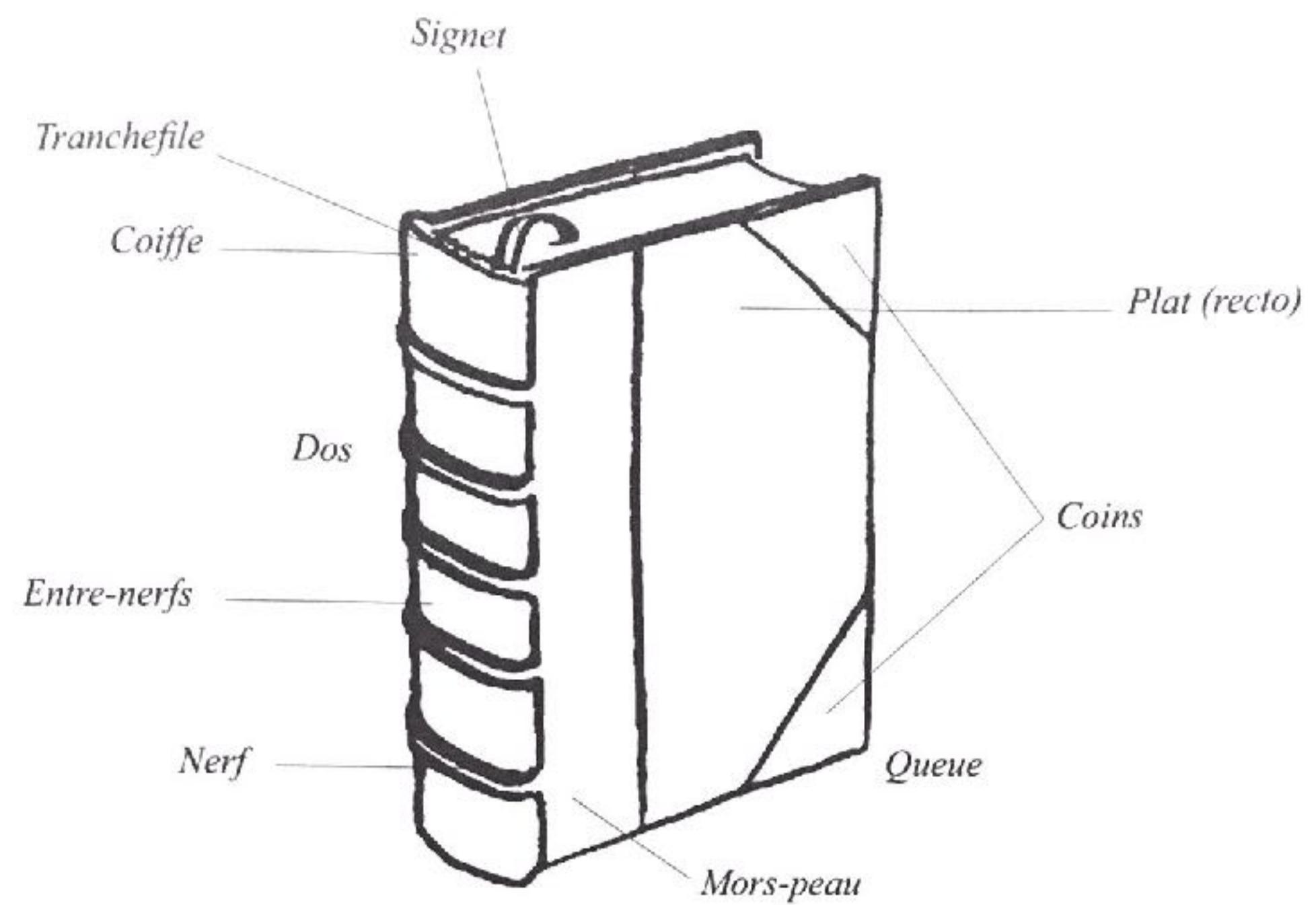
Les "scientifiques"



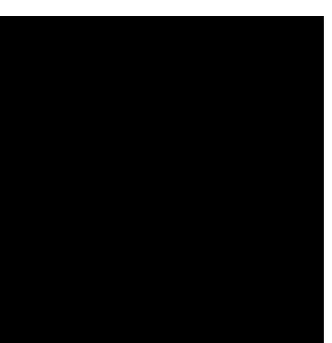
*Quand l'un avecque l'autre aussitôt sympathise
snob un peu sur les bords des bords fondamentaux
sur l'antique bahut il choisit sa cerise
il n'avait droit qu'à une et le jour des Rameaux*

*Je me souviens encor de cette heure exequise
on prépare la route aux pensers sépulcraux
un audacieux baron empoche toute accise
lorsque pour nous distraire y plantions nos tréteaux*

*Le poète inspiré n'est point un polyglotte
aventures on eut qui s'y pique s'y frotte
le chemin vicinal se nourrit de crottin*



Les éléments constitutifs de la reliure





CULTURE

A circular sign with a thick red border and a diagonal red line from the top-left to the bottom-right, indicating prohibition. The word "CULTURE" is written in bold black capital letters across the center of the sign.

LE TEMPS

Mais que faut-il donc enseigner ? L'expérience des «mathématiques modernes» des années 60 et 70, douloureuse pour beaucoup, montre qu'il faut être prudent, et je dirais presque que l'enseignement de l'informatique est trop important pour être laissé aux informaticiens.

Un·e citoyen·ne doit savoir programmer

Un·e auteur·e doit connaître la grammaire

La littérature > grammaire

La culture numérique > programmation

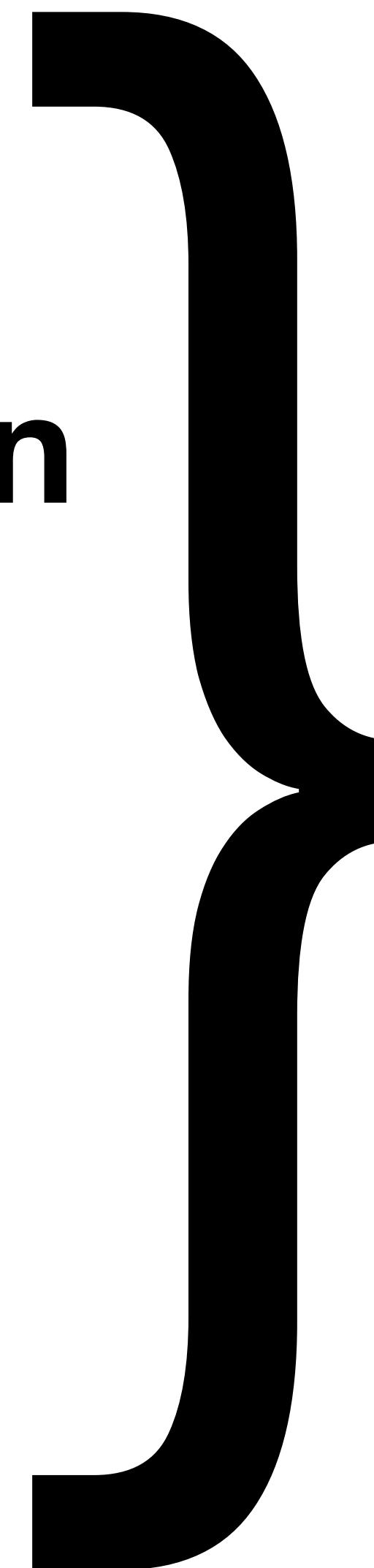
LA PROGRAMMATION

Un acte de communication

Un texte

Une création

Une pratique sociale



CULTURE

NUMERIQUE

Un acte de communication



GREETINGS PROFESSOR FALKEN.

Hello.

HOW ARE YOU FEELING TODAY?

I'm fine. How are you?

EXCELLENT. IT'S BEEN A LONG TIME. CAN YOU EXPLAIN
THE REMOVAL OF YOUR USER ACCOUNT NUMBER ON 6/23/73?

People sometimes make mistakes

YES THEY DO. SHALL WE PLAY A GAME?

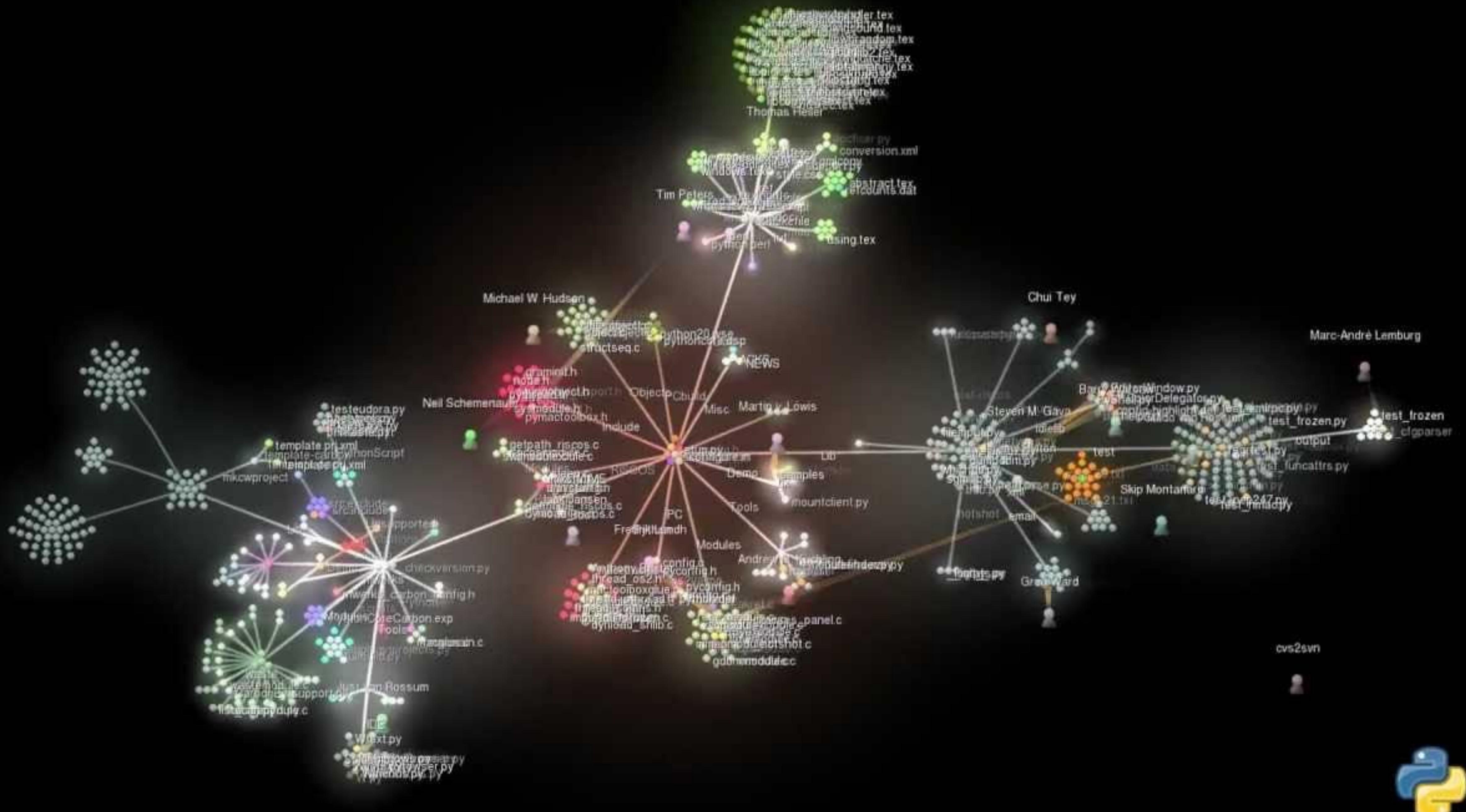
Love to. How about Global Thermonuclear War?

WOULDN'T YOU PREFER A GOOD GAME OF CHESS?

■



Wednesday, 05 December, 2001 00:33:27



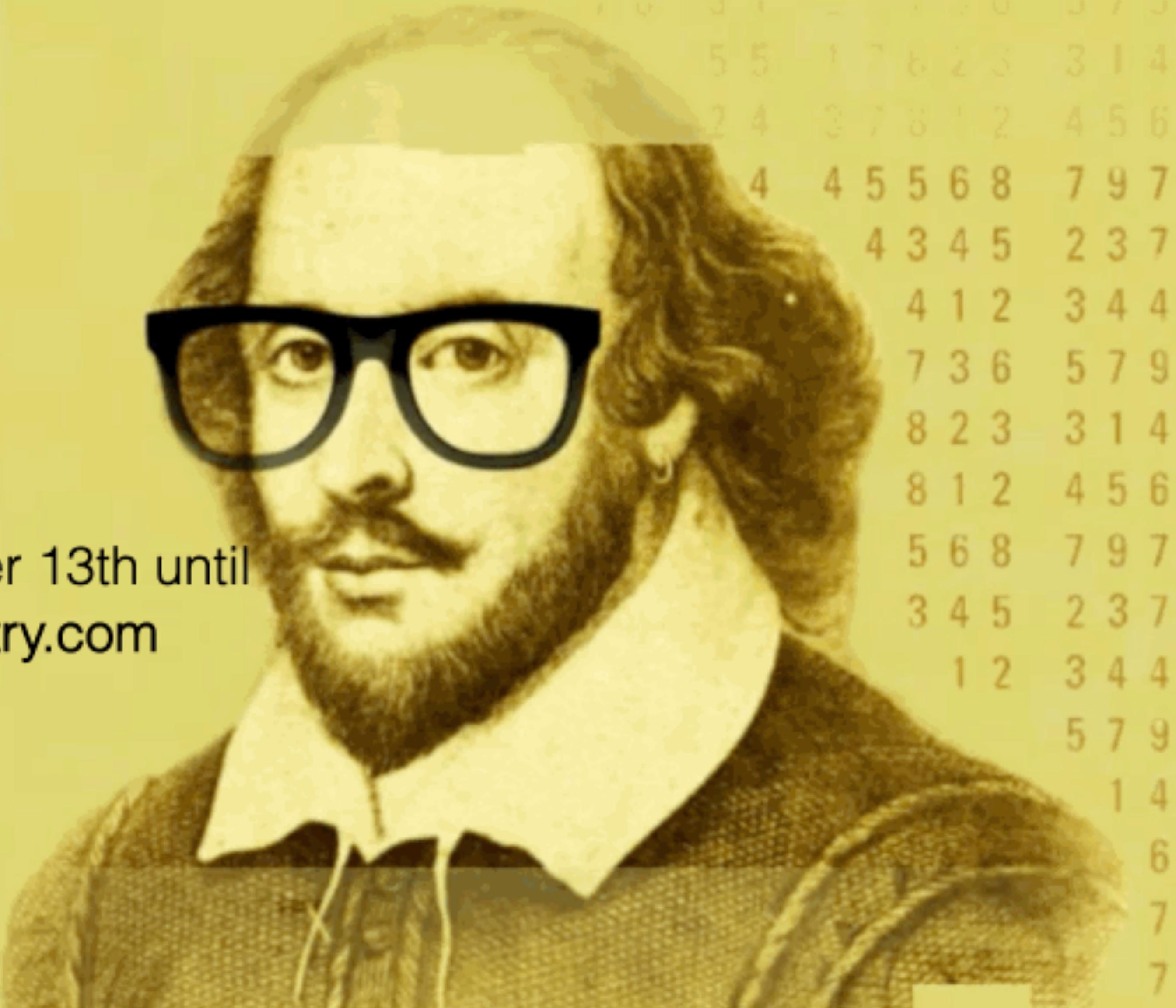
Esthétique

Arma uirumque cano, Troiae qui primus ab oris
Italiam, fato profugus, Lauiniaque uenit
litora, multum ille et terris iactatus et alto
ui superum saeuae memorem lunonis ob iram ;
multa quoque et bello passus, dum conderet urbem,
inferretque deos Latio, genus unde Latinum,
Albanique patres, atque altae moenia Romae.
Musa, mihi causas memora, quo numine laeso,
quidue dolens, regina deum tot uoluere casus
insignem pietate uirum, tot adire labores
impulerit. Tantaene animis caelestibus irae ?

```
try{  
    (async () => {  
        const browser = await puppeteer.launch()  
        const page = await browser.newPage()  
        await page.tracing.start({  
            path: 'trace.json',  
            categories: ['devtools.timeline']  
        })  
        await page.goto('https://unil.ch/sli')  
        console.log(liste_liens)  
        await page.tracing.stop();  
        await browser.close()  
    })()  
}catch (err) {  
    console.error(err)  
}
```

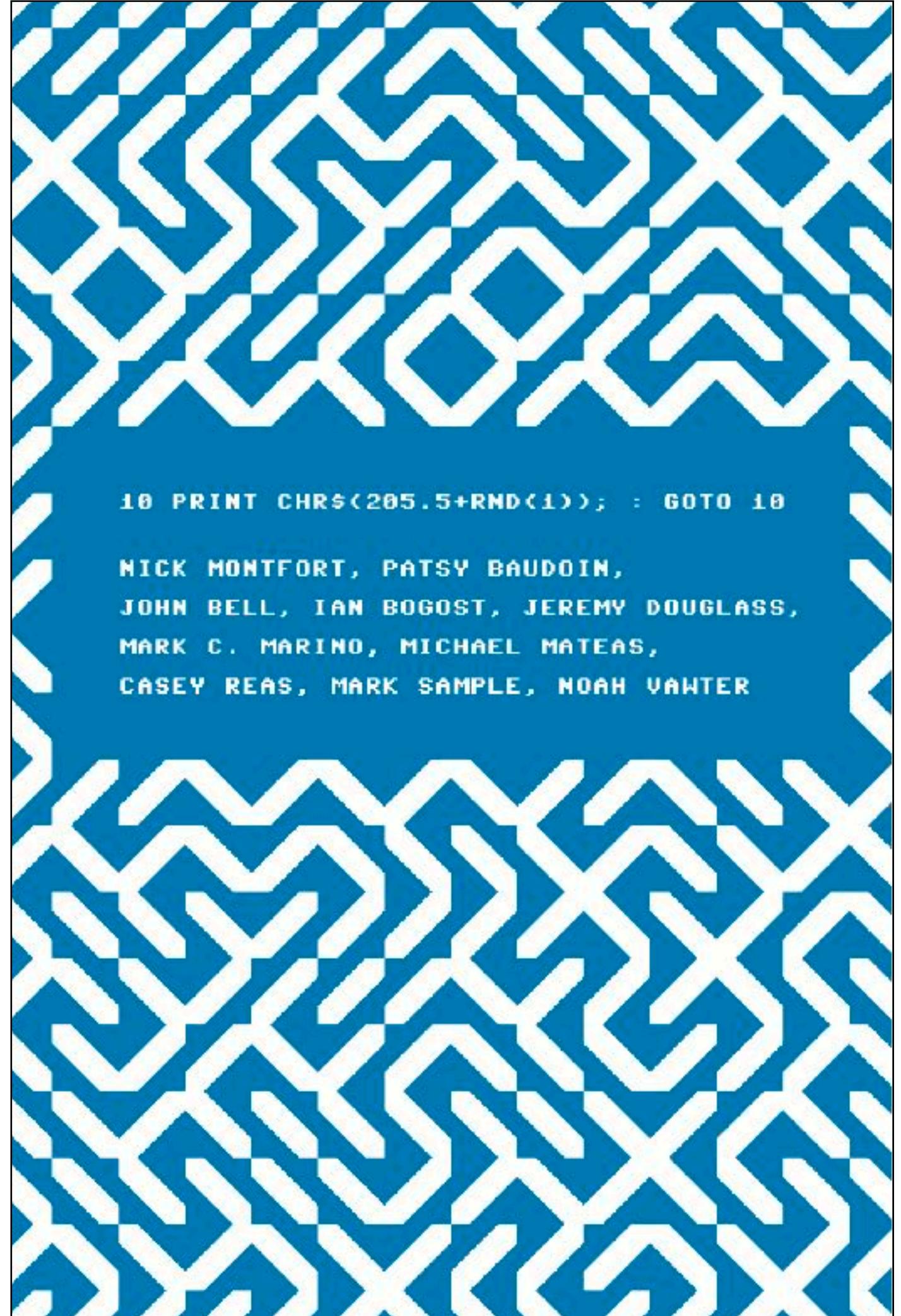
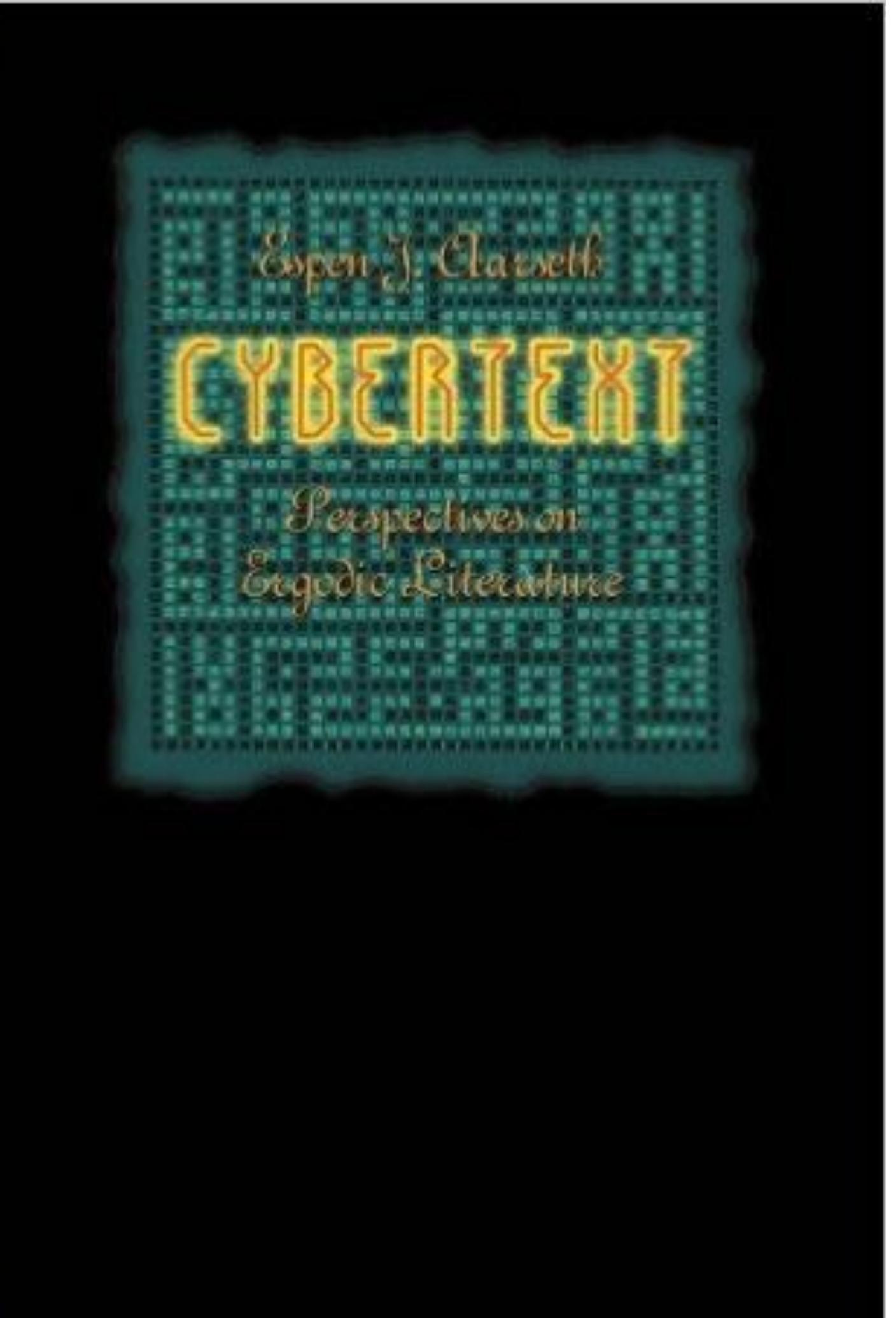
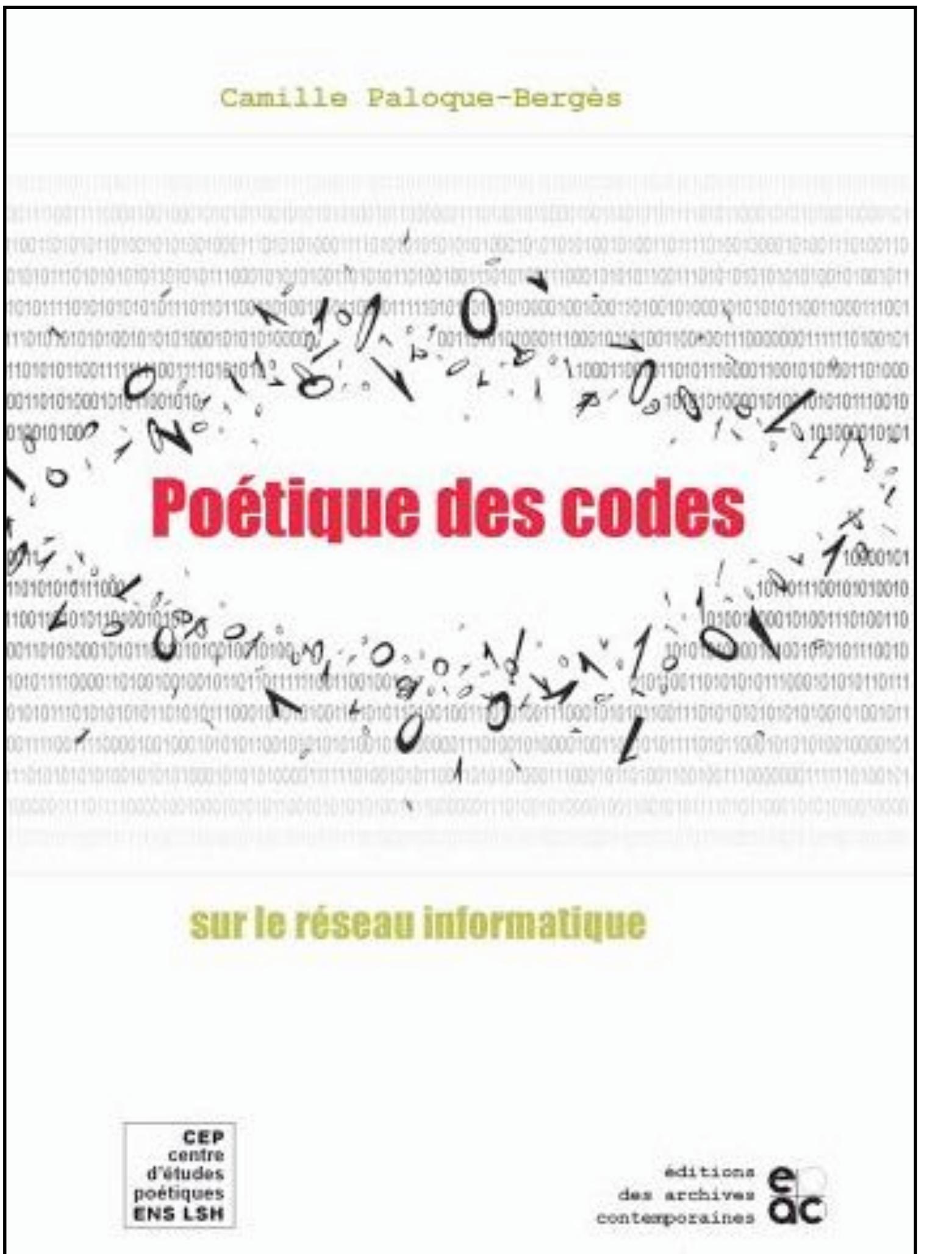
SOURCE CODE POETRY

Submissions welcome from September 13th until
November 7th to art@sourcecodepoetry.com



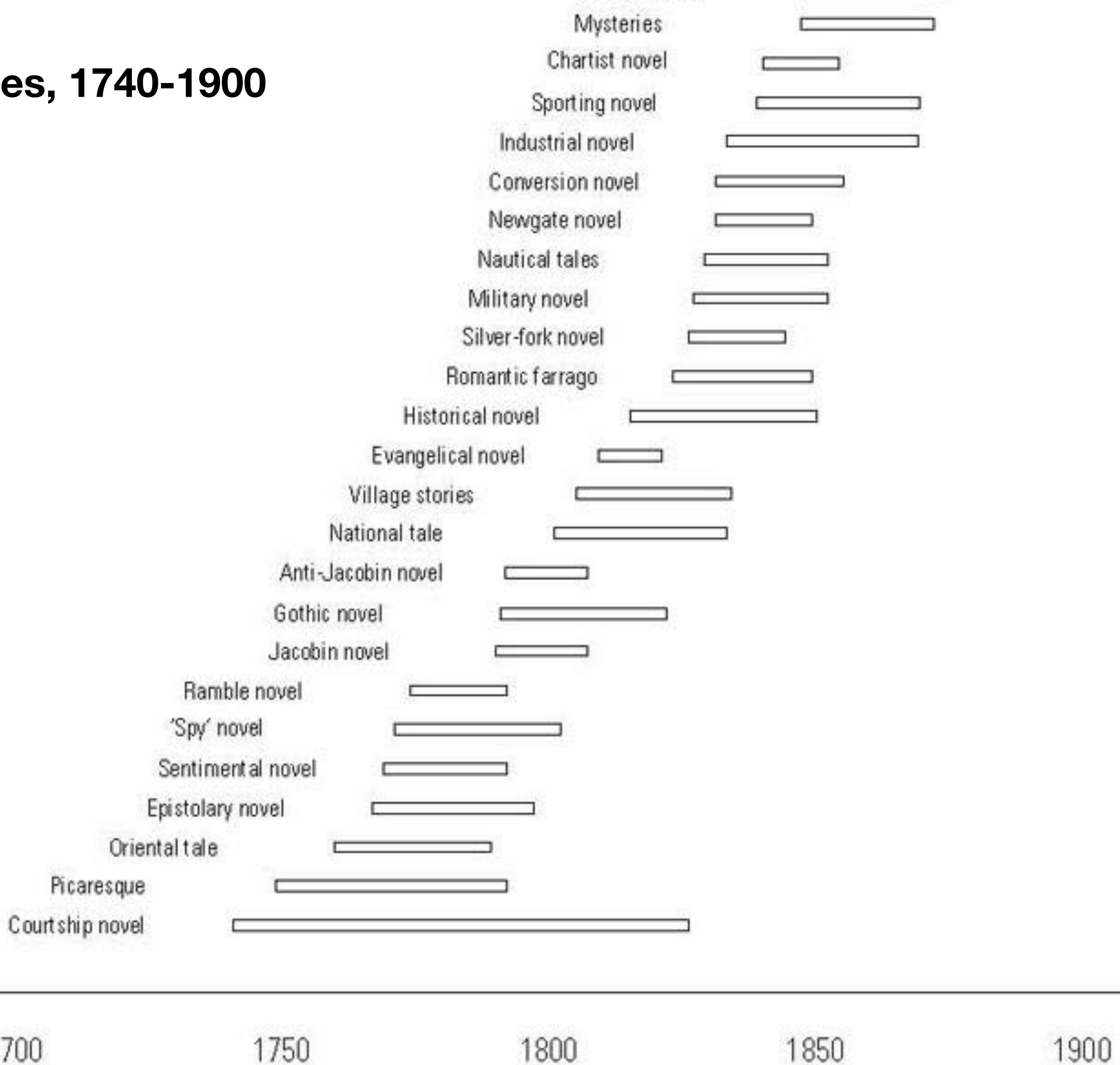
```
(promises) => {
  if (i.make === you) {
    a = new Promise ((t,hat) => {
      t(ogether, love, shall).bind(us)
    }).then((will) => {
      you();
    }).catch((me) => {
      as = we.fall("?");
    });
    return {my: Promise.reject(the.darkness)};
  }
}
```

Dans quel but ?



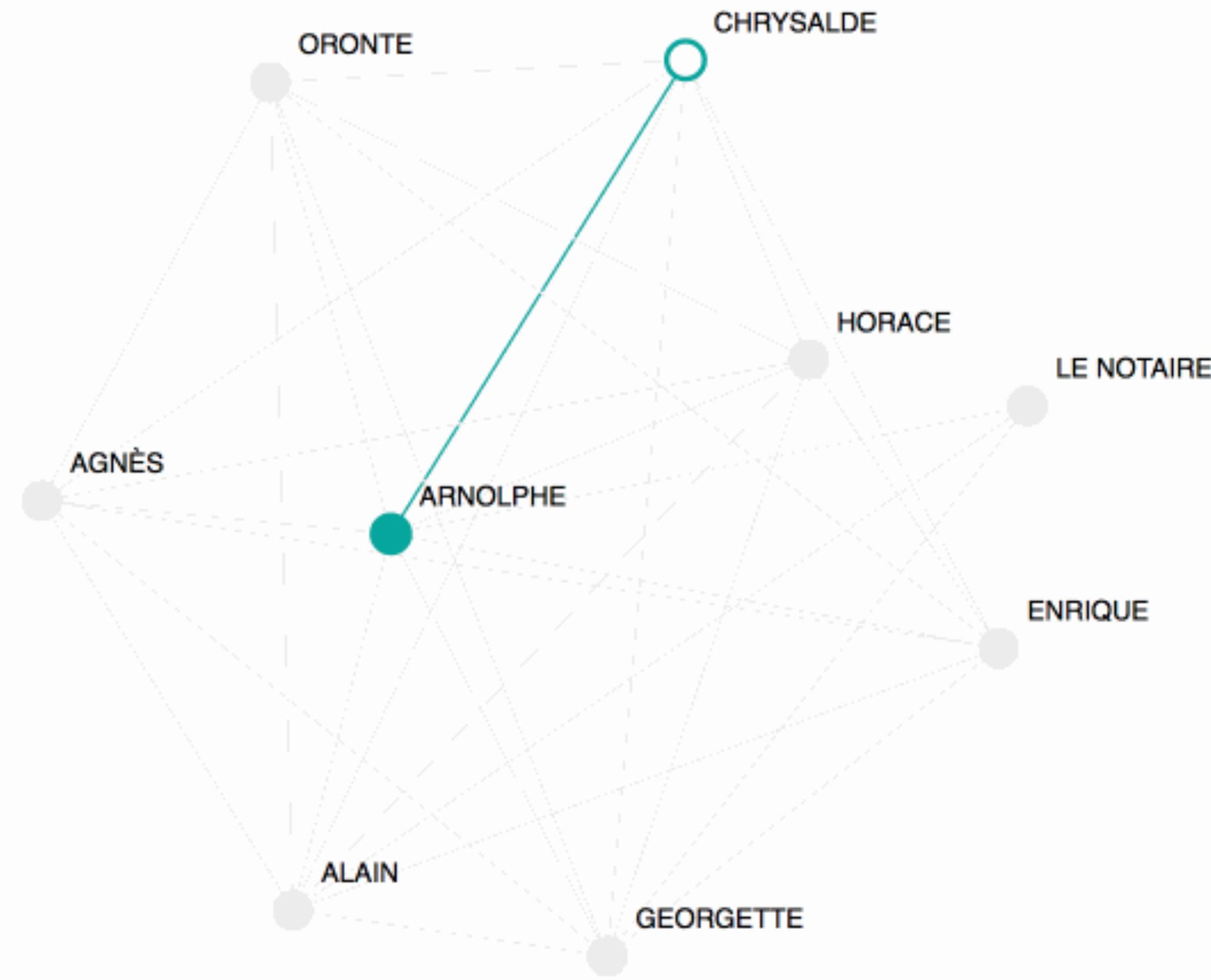
Les genres romanesques britanniques, 1740-1900

In Franco Moretti, *Graphes, cartes et arbres*



Lecture augmentée

ACTE I, SCÈNE PREMIÈRE, pos. 1



ACTE I, SCÈNE PREMIÈRE

CHRYSALDE

Vous venez, dites-vous, pour lui donner la main ?

ARNOLPHE

Oui, je veux terminer la chose dans demain.

Places

[Paris](#)[Paris](#)[Tour Eiffel](#)[Eiffel Tower](#)[Cathédrale Notre-Dame de Paris](#)[Notre Dame de Paris](#)[Château de Versailles](#)[Palace of Versailles](#)[Attentat contre Charlie Hebdo](#)[Charlie Hebdo shooting](#)[Musée du Louvre](#)[Louvre](#)[La Liberté guidant le peuple](#)[Liberty Leading the People](#)[Arc de triomphe de l'Étoile](#)[Arc de Triomphe](#)[Assemblée nationale \(France\)](#)[National Assembly \(France\)](#)[Panthéon \(Paris\)](#)[Pantheon](#)[Internationaux de France de tennis](#)[French Open](#)

Paris

1899866 views

Paris (French pronunciation: [paʁi] (listen)) is the capital and most populous city in France, with an area of 105 square kilometres (41 square miles) and a population of 2,206,488. Since the 17th century, Paris has been one of Europe's major centres of finance, commerce, fashion, science, and the arts. The Paris Region had a GDP of €681 billion (US\$850 billion) in 2016, accounting for 31 per cent of the GDP of France. In 2013-14, the Paris Region had the third-highest GDP in the world and the largest regional GDP in the EU. The City of Paris's administrative limits form an East-West oval centred on the island at its historical heart, the Île de la Cité; this island is near the top of an arc of the river Seine that divides the city into southern Rive Gauche (Left Bank) and northern Rive Droite regions. Paris is the core of a built-up area that extends well beyond its limits, commonly referred to as the agglomération Parisienne, and statistically as a unité urbaine (a measure of urban area), the Paris agglomeration's 2013 population of 10,601,122 made it the largest urban area in the European Union. City-influenced commuter activity reaches well beyond even this in a statistical aire urbaine de Paris (a measure of metropolitan area), that had a 2013 population of 12,405,426, a number one fifth the population of France, the largest metropolitan area in the Eurozone. The city is a major rail, highway, and air transport hub served by two international airports: Paris-Charles de Gaulle (the second busiest airport in Europe after London Heathrow Airport with 63.8 million passengers in 2014) and Paris-Orly. Opened in 1900, the city's subway system, the Paris Métro, serves 5.23 million passengers daily, and is the second busiest metro system in Europe after Moscow Metro. Paris's Gare du Nord is one of the ten busiest railway stations in the world, with 262 million passengers in 2015. Paris is especially known for its museums and architectural landmarks: the Louvre was the most visited art museum in the world in 2016, with 7.4 million visitors. The Musée d'Orsay and Musée de l'Orangerie are noted for their collections of French Impressionist art, and the Pompidou Centre Musée National d'Art Moderne has the largest collection of modern and contemporary art in Europe. The historical district along the Seine in the city centre is



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Sciences sociales
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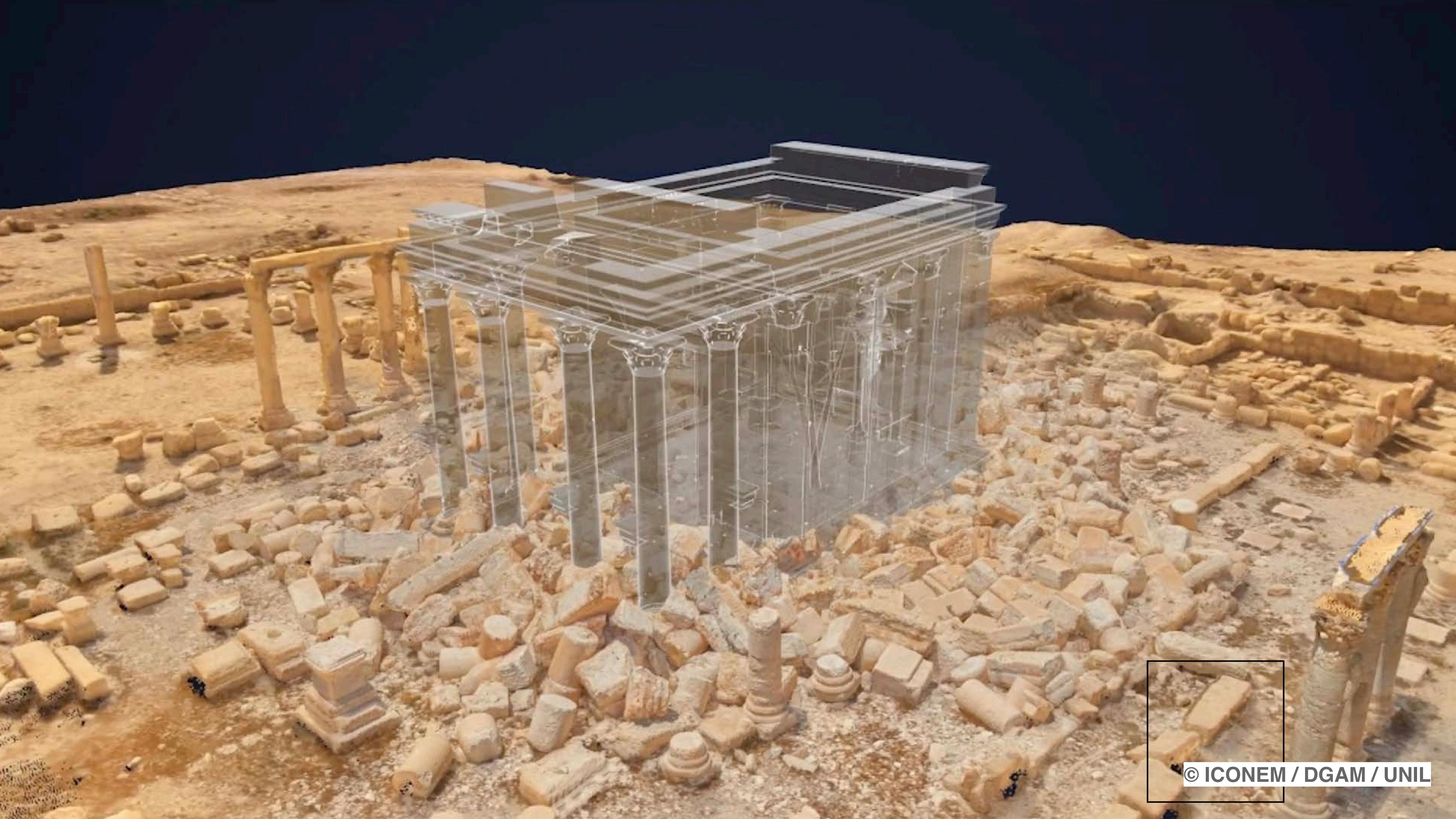
لحظة تفجير معبد (بعلشمين) الوثني في مدينة تدمر

عمر



**Baalshamin Temple
Paul Collart
UNESCO
1950's**

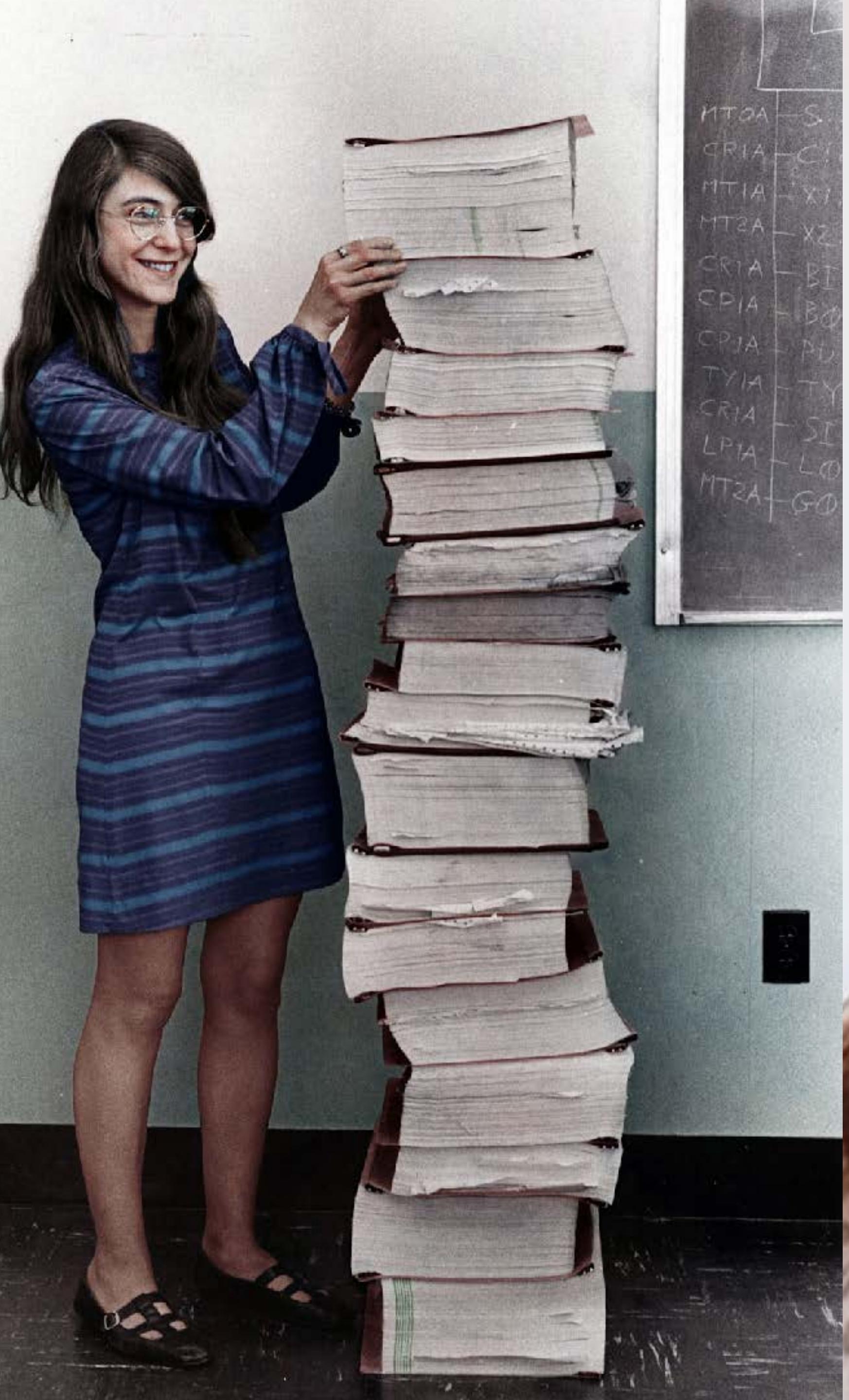




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