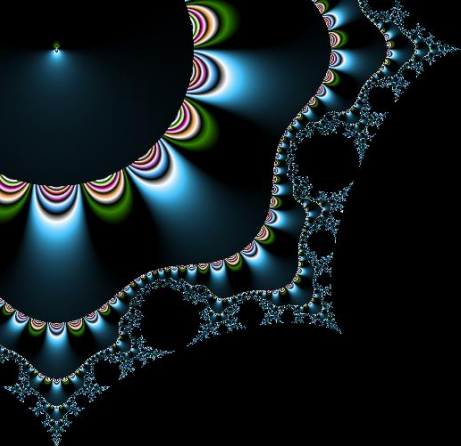


# 01 – Brief History of Hacking

Thibaut HENIN  
[www.arsouyes.org](http://www.arsouyes.org)

# Far Web

Birth of a New World



# 1834

## Chappe's telegraph

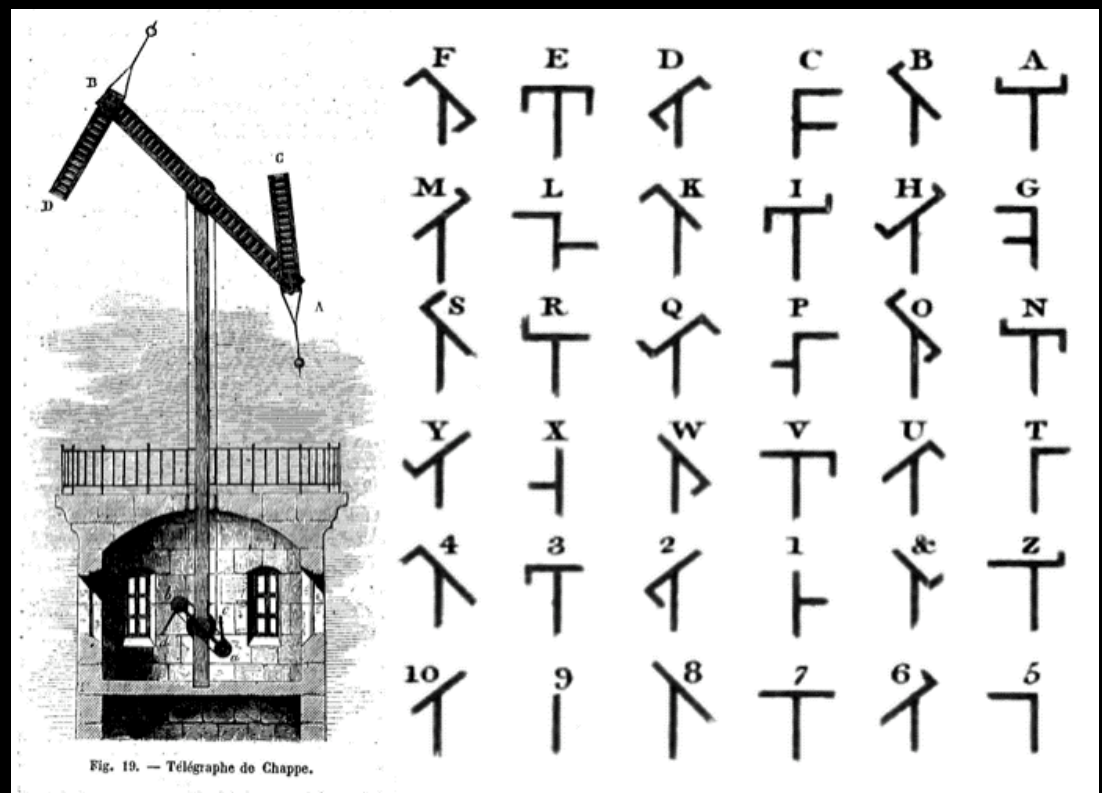


Fig. 19. — Télégraphe de Chappe.



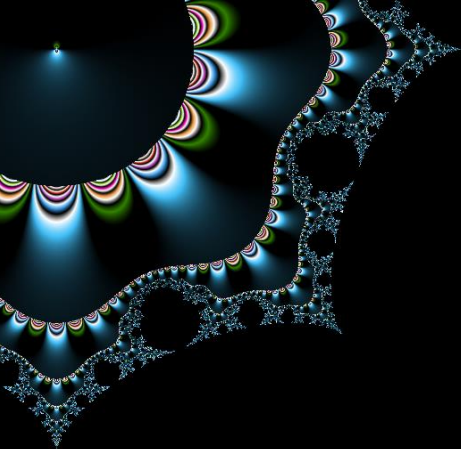




1903

Nevil Maskelyne vs. Guglielmo Marconi



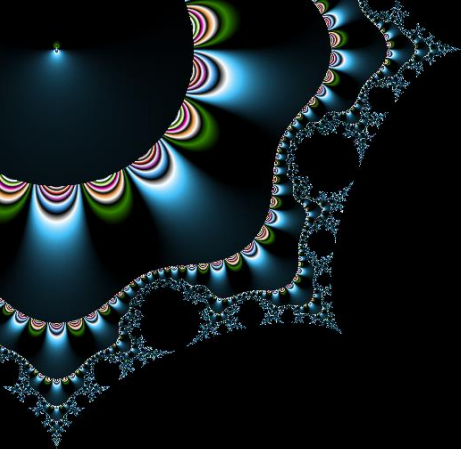


# 1969

## Blue box(ing)

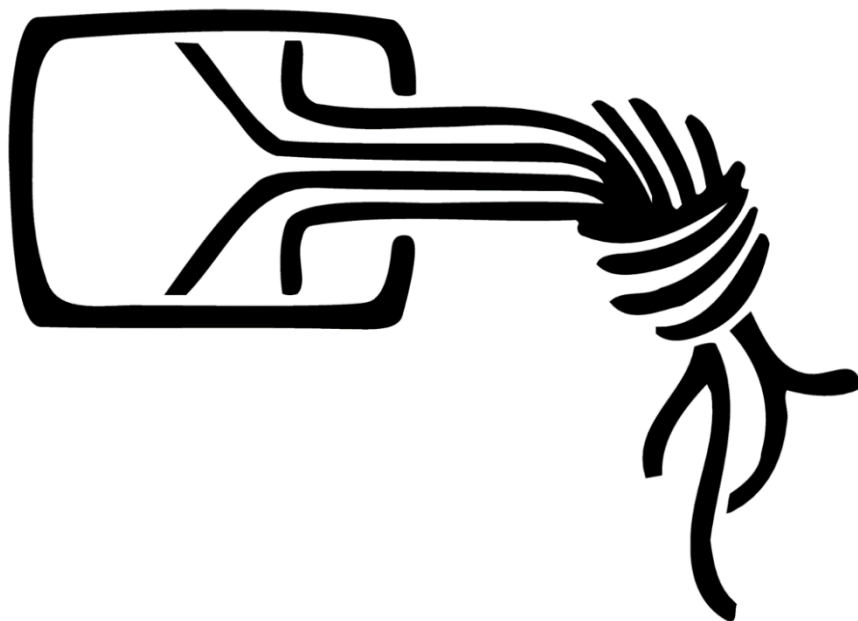


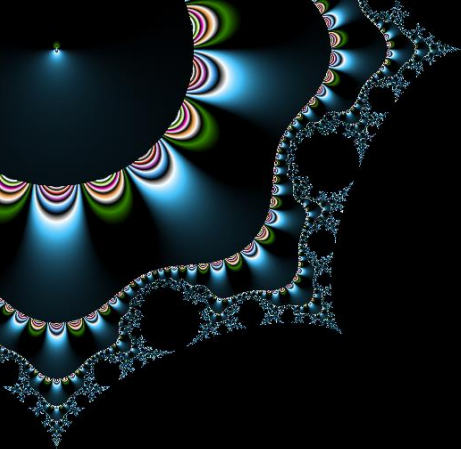
[https://commons.wikimedia.org/wiki/File:Blue\\_Box\\_in\\_museum.jpg](https://commons.wikimedia.org/wiki/File:Blue_Box_in_museum.jpg)



# 1981

## Chaos Computer Club



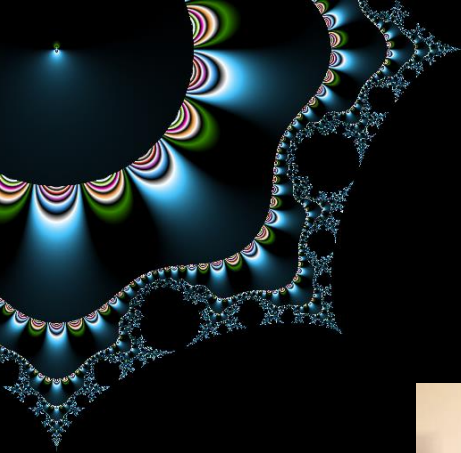


# 1983

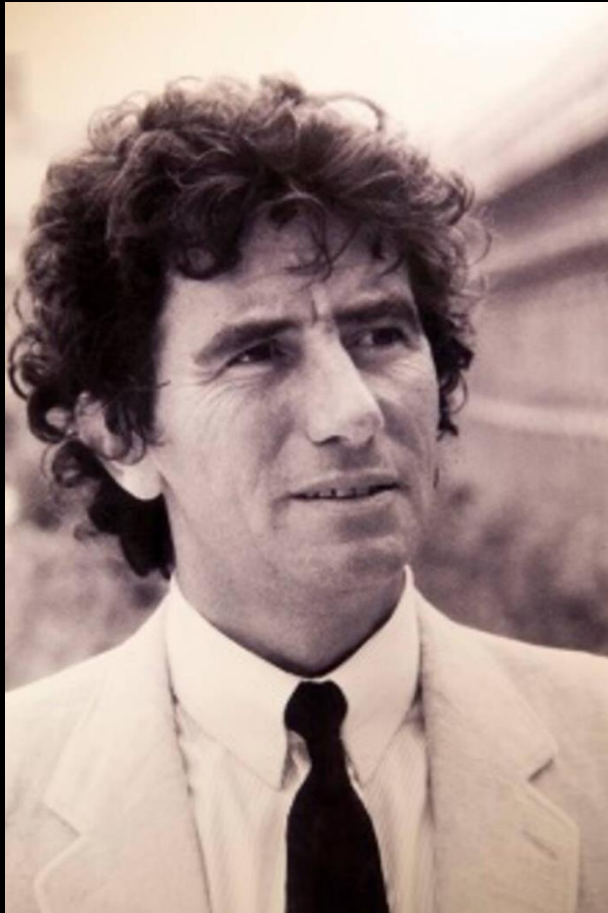
## Apple Lisa







1983  
une un bogue



**MINISTÈRE  
DE LA CULTURE**

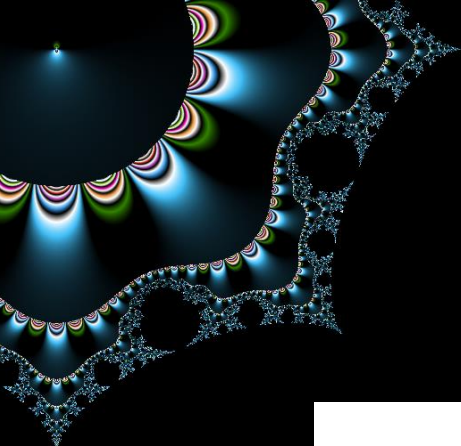
*Liberté  
Égalité  
Fraternité*





1984  
The Hacker Quarterly

2600



# 1985 Phrack

==Phrack Inc.==

Volume One, Issue 7, Phile 3 of 10

-----  
The following was written shortly after my arrest...

\\The Conscience of a Hacker\\

by

+++The Mentor+++

Written on January 8, 1986

-----  
Another one got caught today, it's all over the papers. "Teenager  
Arrested in Computer Crime Scandal", "Hacker Arrested after Bank Tampering"...  
Damn kids. They're all alike.



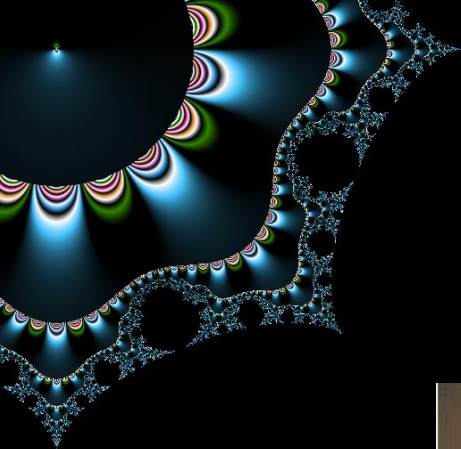
1987

McAfee



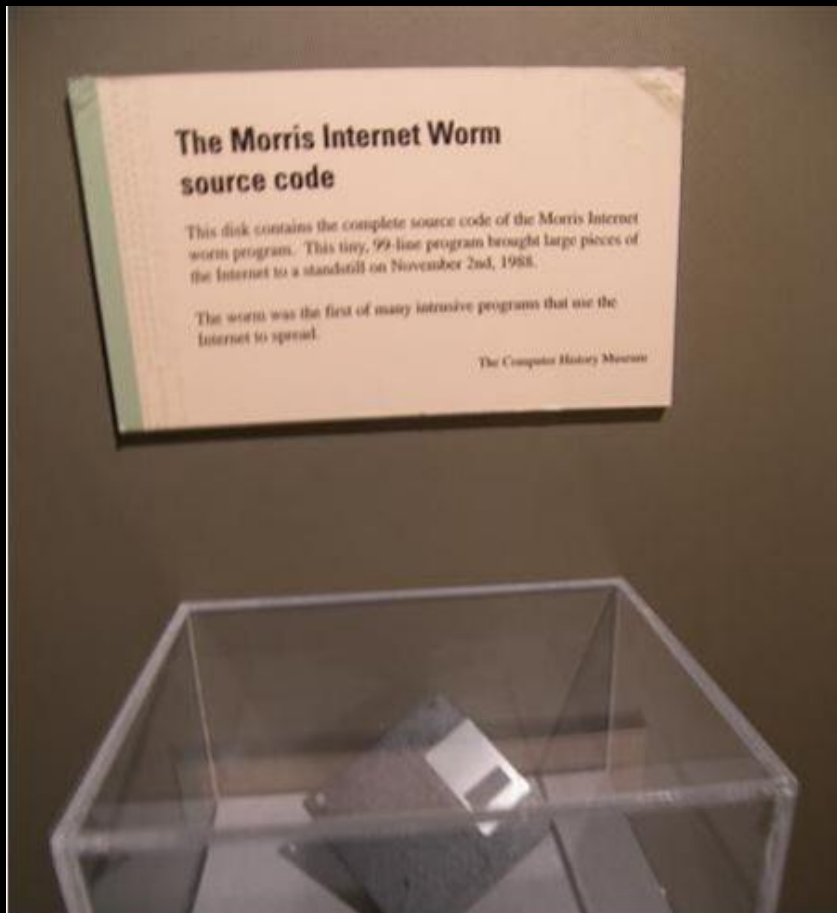
**McAfee®**

**Antivirus**



# 1988

## Morris Worm / CERT

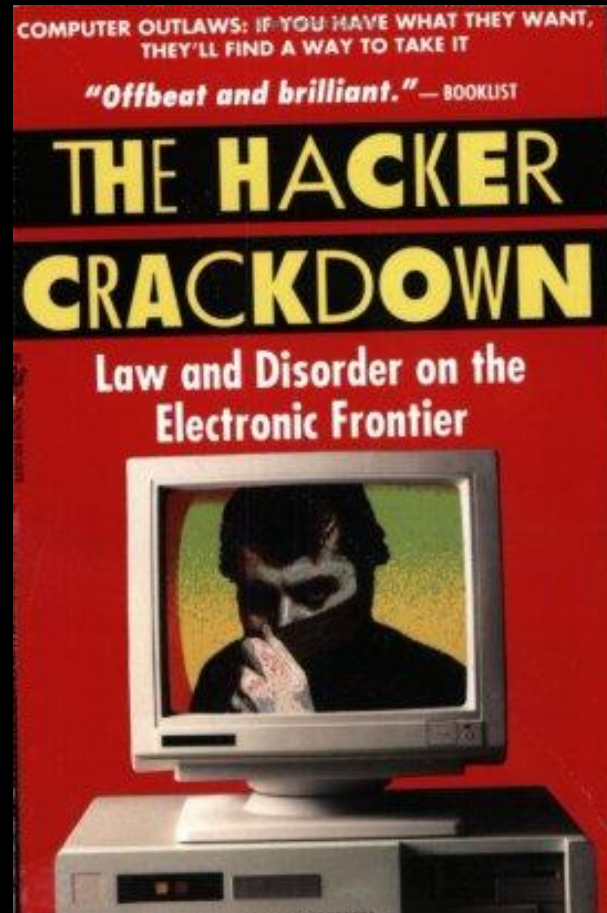






# 1990

## The Hacker Crackdown





1989

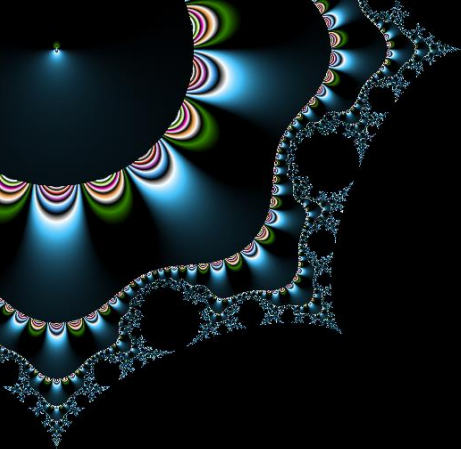
Chaos Computer Club France



<https://www.flickr.com/photos/nataliepipe/3081399996/>

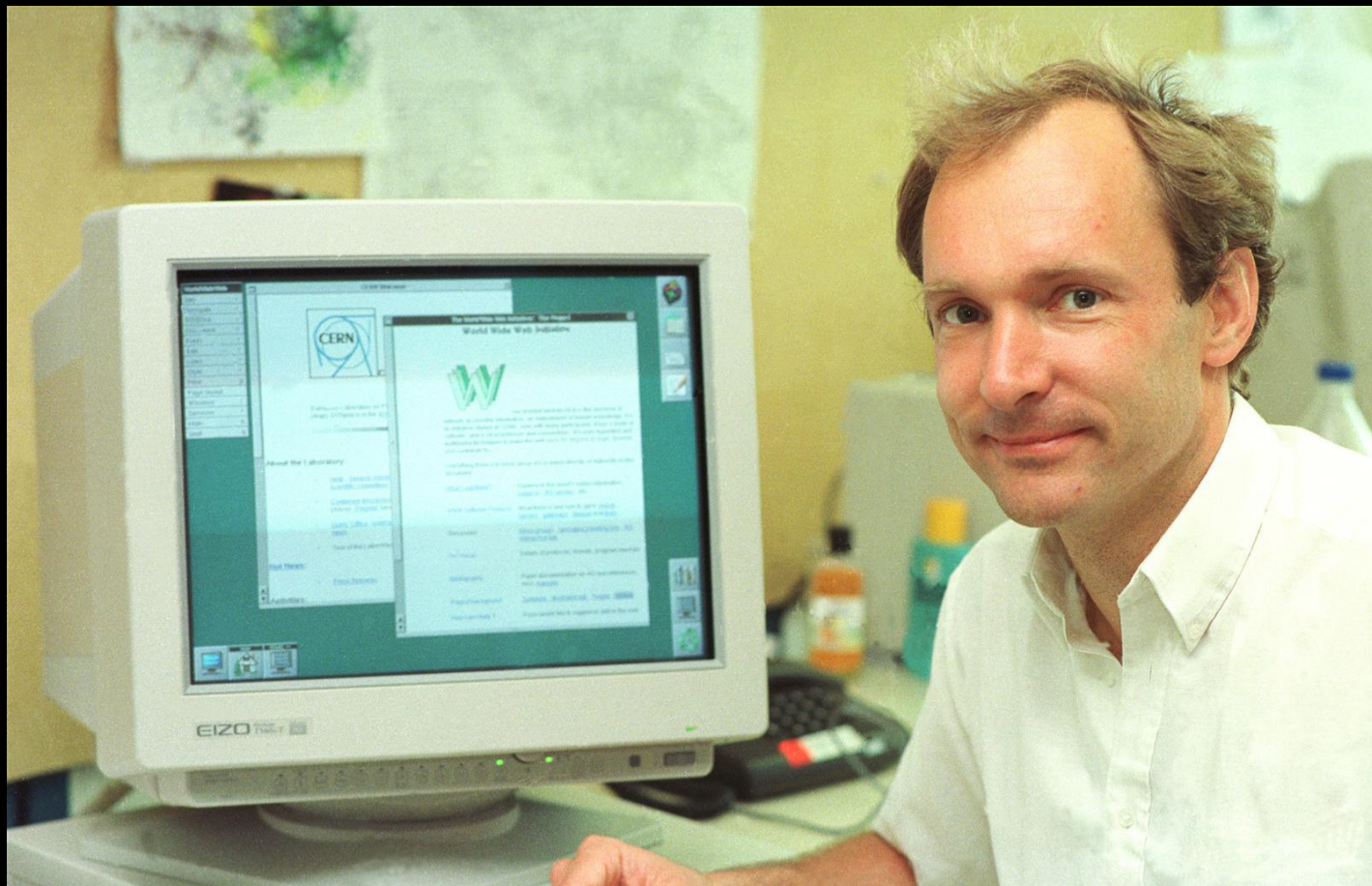
# Web 1.0

New Territories



# 1991

## Web 1.0



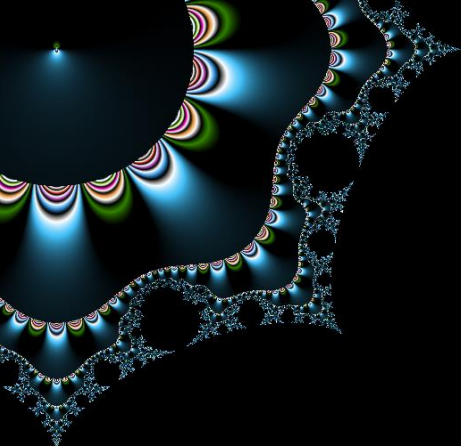
Tim Berners-Lee, at CERN (© CERN)





1991  
Linux





1982, 1992

Clusif

# all inclusif

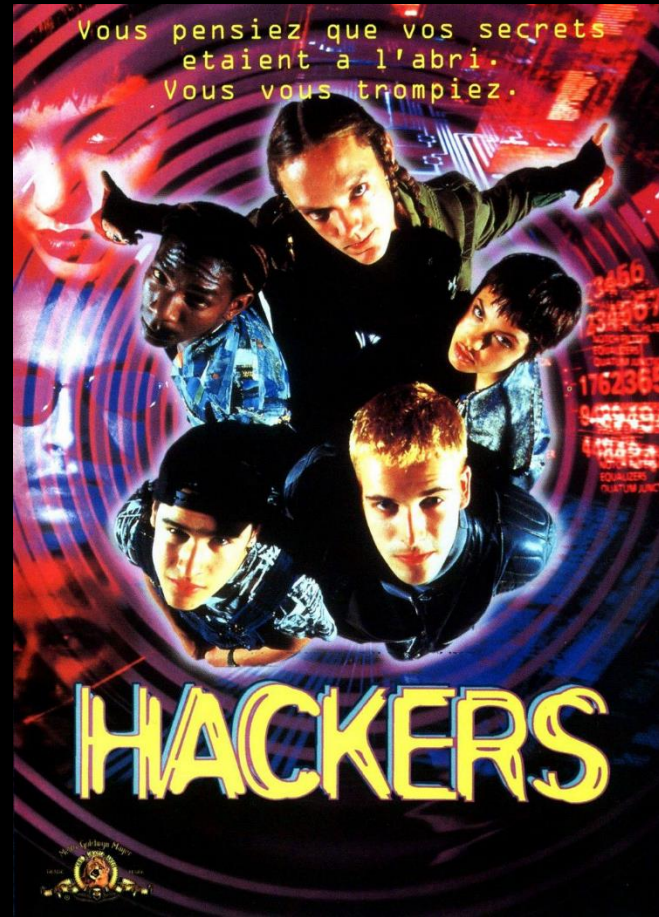
conférences | publications | groupes de travail

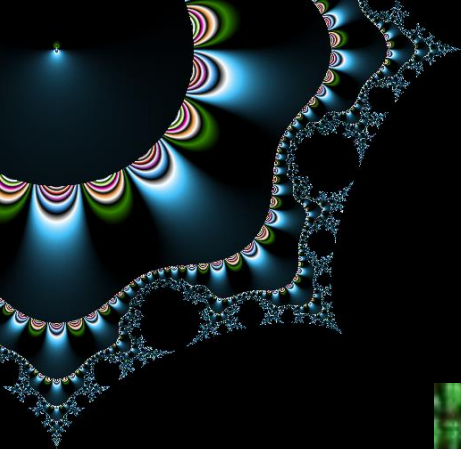
 CLUSIF  
L'ESPRIT D'ÉCHANGE



# 1995

## Hackers (film)





1996

Phrack 48 – Ip Spoofing Demistified







1996

Phrack 49 – Smashing the stack for fun and profit



<https://www.flickr.com/photos/thewebcrow/3654883288/>



1997

Phrack 51 – The Art of Port Scanning



**NMAP PROJECT**

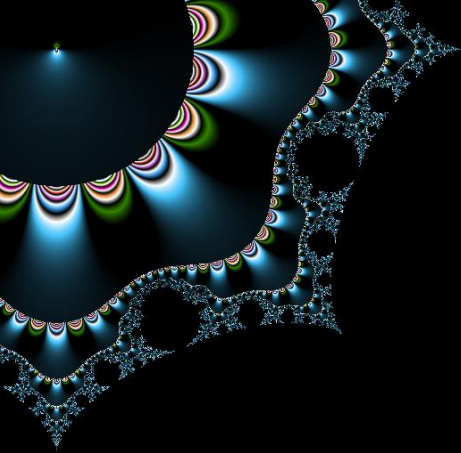


1998

# Phrack 54 – NT Web Technology Vulnerabilities



<https://www.flickr.com/photos/25193455@N04/3575276521>



2000

Mafiaboy DoS yahoo et *cie.*



<https://www.npr.org/sections/alltechconsidered/2015/02/07/384567322/meet-mafiaboy-the-bratty-kid-who-took-down-the-internet?t=1616569398281>





1993 & 1997  
Defcon & Blackhat



**blackhat**<sup>®</sup>

**DEFCON**





1997 – 2006

Madchat

**MADCHAT ORG**



1998  
Zataz Magazine

**ZATAZ** MAGAZINE

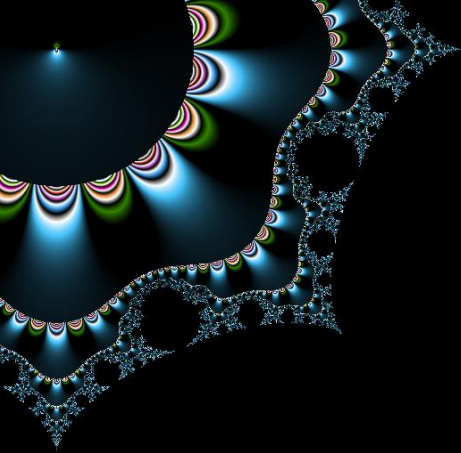


1999

Misc

**MISC**  
Multi-System & Internet Security Cookbook

100 % SECURITÉ INFORMATIQUE



# 2000 Hackerz Voice



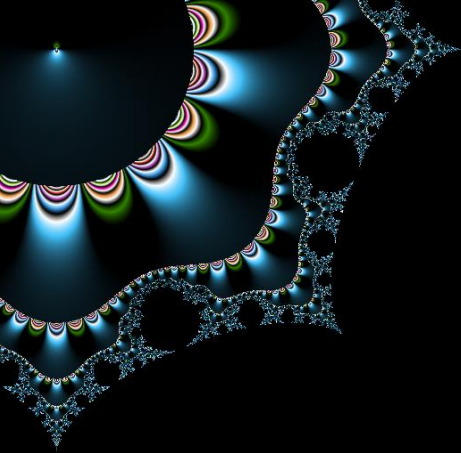
[About HZV](#)

[Meetings](#)

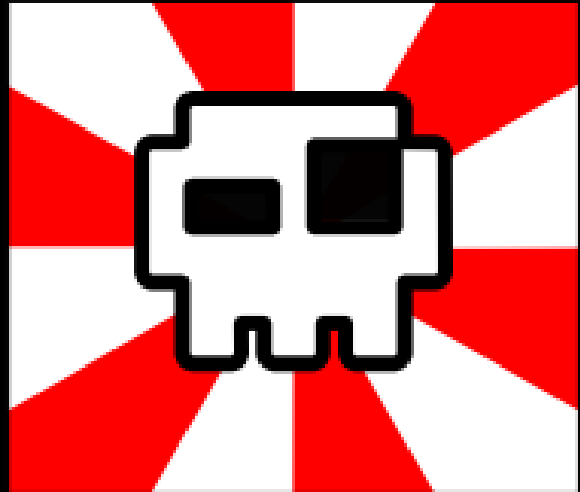
[Resources](#)

[Contact](#)

[Store](#)



2001  
Nuit du Hack



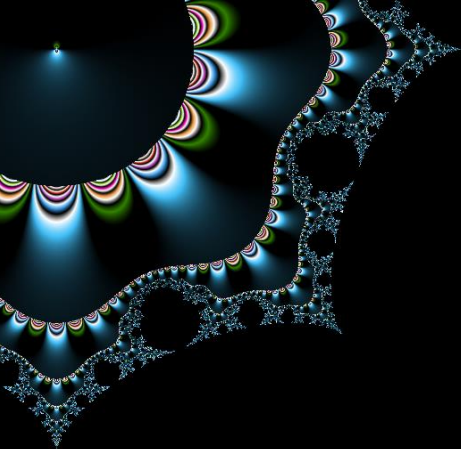
**JOIN US  
TODAY!  
H2V**





2001  
OWASP





2001

Les assises

les assises

de la sécurité et des systèmes d'information



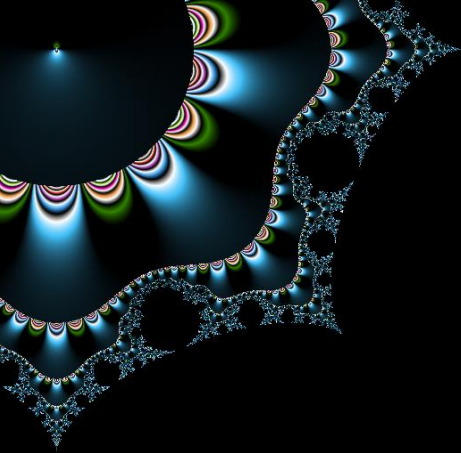
2003  
SSTIC



**SSTIC**  
**SYMPOSIUM**  
SUR LA SÉCURITÉ DES TECHNOLOGIES DE  
L'INFORMATION ET DE LA COMMUNICATION

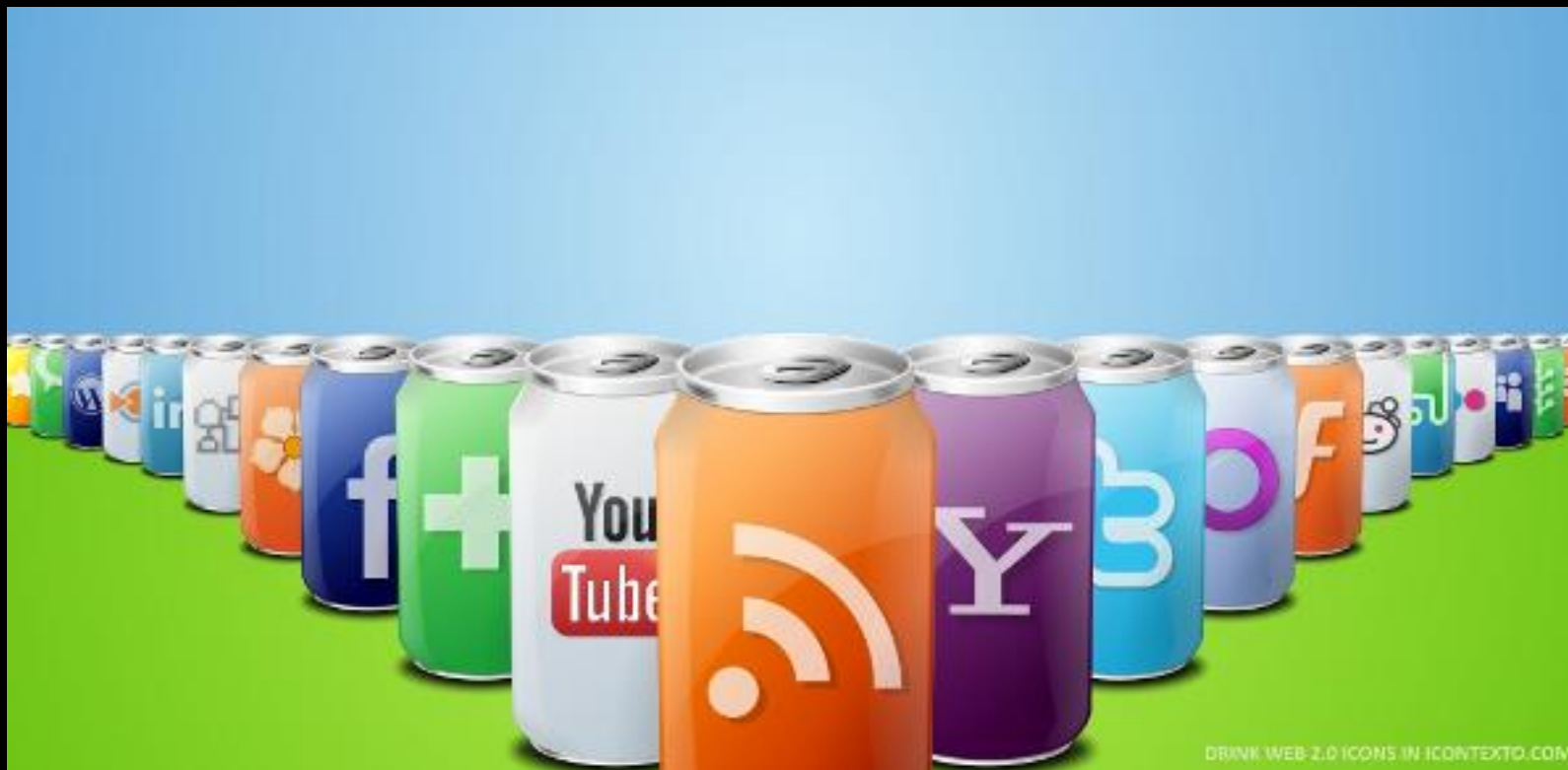
# Web 2.0

Survivals share the cake



# 2003

## Web 2.0

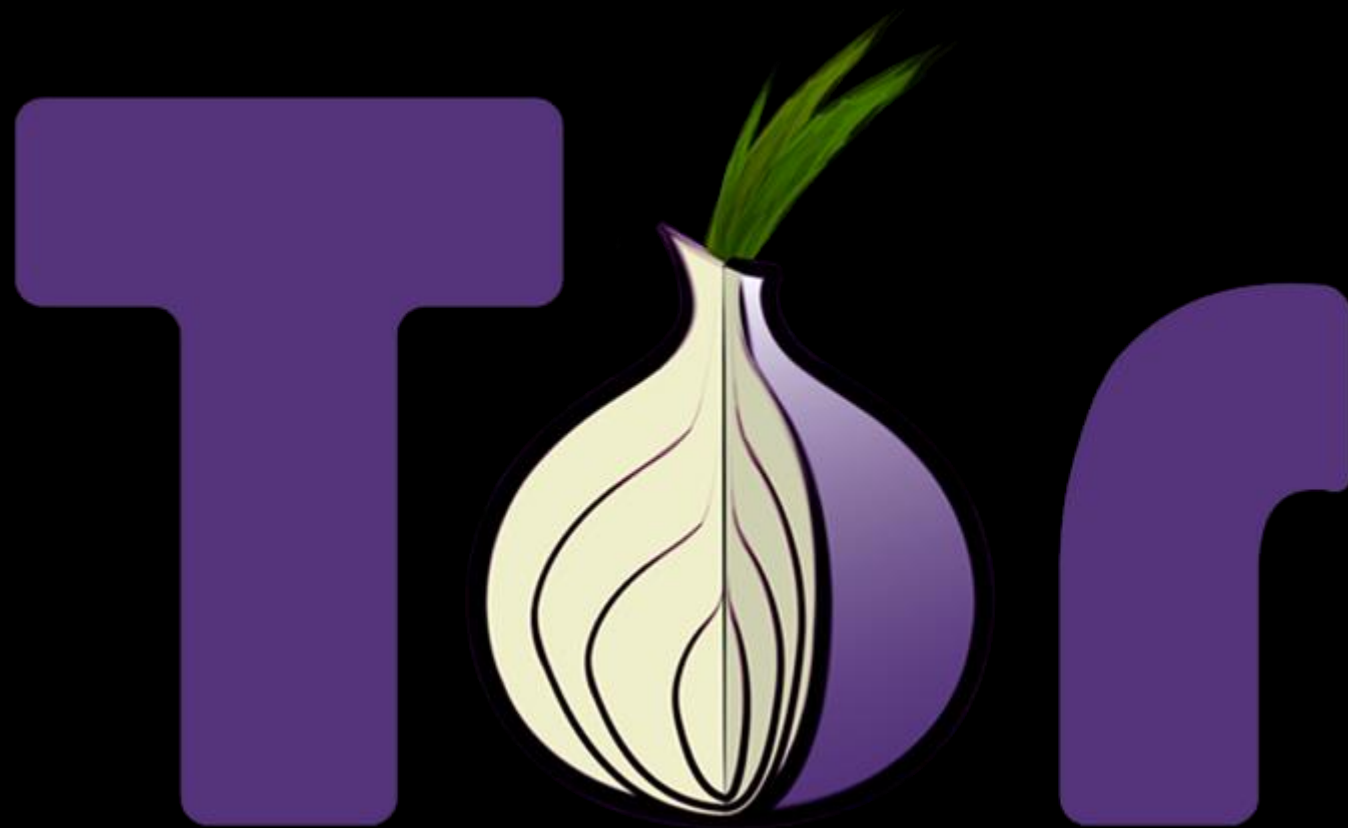


<https://www.flickr.com/photos/100413535@N03/9570093789/>





2001  
Tor





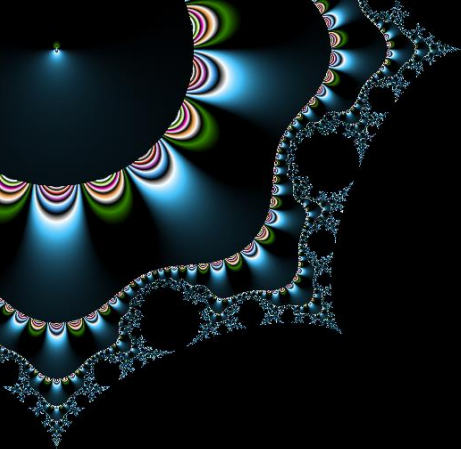
2003  
Metasploit





2003  
Anonymous

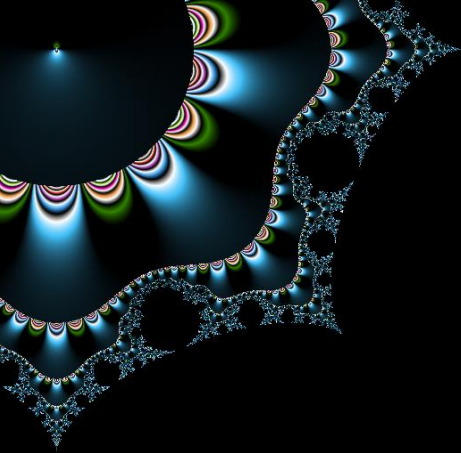




2006

Backtrack (Kali en 2012)





2006  
Wikileaks







# 2006 Aircrack-ng

The desktop environment includes a menu bar with 'Menu', 'Arquivo', 'Editar', 'Ver', 'Pesquisar', 'Ferramentas', 'Documentos', and 'Ajuda'. The desktop contains icons for Cisco Packet Tracer, Digitalizador simples, Editor de imagens GIMP, and LibreOffice Calc.

The Gedit window shows the following options for Aircrack-ng:

```
-s = Opção para arp request;  
-b = Mac-Address do Access Point alvo  
-h = Mac-Address do Access Point alvo  
-i = interface de rede  
-m = modo de ataque (wep, wpa, wpa2, wpa3)  
-n = nome do arquivo de saída  
-o = opção para o arquivo de saída  
-p = opção para o arquivo de saída  
-r = opção para o arquivo de saída  
-t = opção para o arquivo de saída  
-v = opção para o arquivo de saída  
-w = opção para o arquivo de saída
```

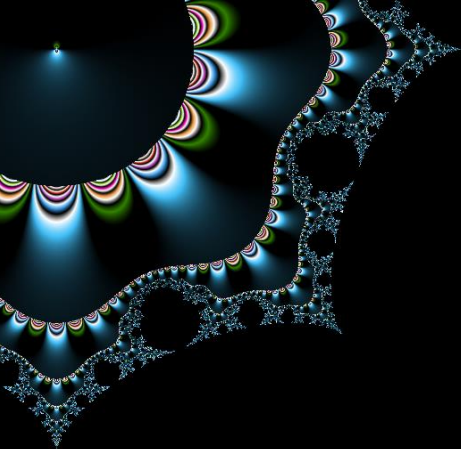
The main terminal window displays the following output:

```
CH 6 [[ Elapsed: 5 mins ] [ 2014-10-02 10:48  
BSSID PWR RXQ Beacons #Data, #/s CH MB ENC CIPHER AUTH ESSI  
20:02:AF:AF:0F:B5 -1 0 0 0 0 -1 -1 <len  
00:25:9C:FA:40:55 -56 100 3098 35494 63 6 54e WEP WEP OPN rev2  
00:1C:F0:39:71:05 -84 93 2943 3 0 6 54 WPA2 CCMP PSK mira  
00:1B:86:02:00:0E -86 69 2331 0 0 6 54e WPA2 CCMP PSK Haro  
00:1B:86:02:00:0E -83 93 2840 65 0 6 54e WPA2 CCMP PSK RMac  
00:1B:86:02:00:0E -85 36 2521 55 0 6 54e WPA CCMP PSK TP-L  
00:1B:86:02:00:0E -90 72 1001 1 0 6 54e WPA2 CCMP PSK AQUA  
00:1B:86:02:00:0E -88 3 2238 1522 2 6 54 OPN TP-L  
00:1B:86:02:00:0E -91 37 239 0 0 6 54e WPA2 CCMP PSK Leo_  
00:1B:86:02:00:0E -90 9 314 2 0 6 54e WPA CCMP PSK netv  
00:1B:86:02:00:0E -85 0 0 8 0 133 -1 OPN <len
```

The smaller terminal window shows the cracking process:

```
Aircrack-ng 1.1  
[00:04:00] Tested 53903 keys (got 35046 IVs)  
KB depth byte(vote)  
0 0/ 1 D7(48132) EE(42548) BB(42404) EF(41700) 48(41596)  
1 0/ 7 01(46068) 26(42296) AC(41160) E6(40932) E0(40568)  
2 0/ 10 71(46356) 20(45192) 98(43060) 5C(42544) 94(41960)  
3 1/ 14 8C(42564) 87(42212) 5D(40884) 52(40724) FA(40712)  
4 54/ 56 3A(37340) 3B(37228) 83(37204) 30(37200) E5(37188)  
KEY FOUND! [ D7:01:71:8C:66 ]  
Decrypted correctly: 100%  
r3do-Vostro-3460 r3do #
```

<https://www.aircrack-ng.org/movies.html>



# 2007

## Smartphones



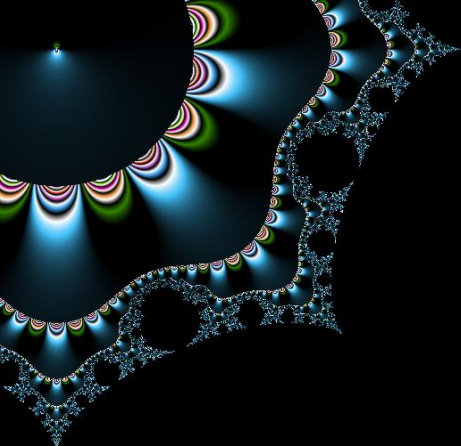
Steve Jobs - 2007



# Agence Nationale 2009 – ANSSI

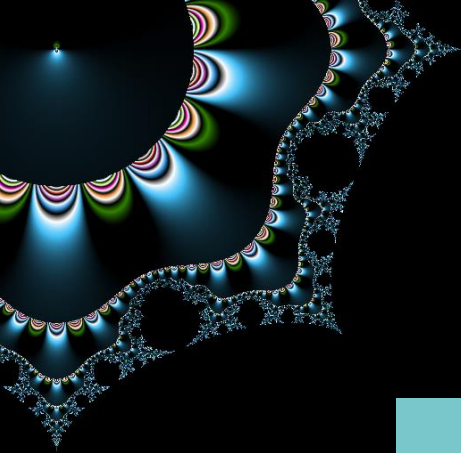






# Recruitments 2012 - Challenge

34 24 29 C3 E8 E8 09 5C D4 18 C8 F9 87 64 07 C1 E8 26 0D C8 F8 9A  
10 3C A1 C1 22 04 95 41 2F 4C 49 94 00 55 50 40 67 0D 98 F2 8C 56  
9C 25 53 63 90 94 48 78 78 15 FC 51 89 05 C4 09 13 C4 01 D3  
36 A1 98 08 87 49 65 52 F8 0C 05 08 30 91 92 46 35 9B 69 2F 1A 79  
A6 71 20 19 92 E8 80 80 77 71 21 F8 60 17 2D 00 C7 69 B6 60 EA 47  
7D C9 CA 24 74 81 21 8D 53 52 24 08 7F 2A 8D 32 2A 6E  
A8 16 22 96 8D 04 56 23 A1 49 20 61 44 51 87 88 02 56 0D F2 02 01  
51 43 62 99 6F 31 CA 8C BA 85 8F 34 26 B8 3D 6B 01 A1 47 FA BA 49  
3D 16 82 39 F8 30 1F 84 2D 35 3C D4 8C CD CC 3C 53 5F 38 18 DA 0C  
A0 7E 52 4A 84 27 CD A7 8C 27 F8 17 18 72 82 3E 09 90 21 01 52 09  
93 E8 39 79 07 CC 0E 8A 6C 1F 57 83 75 89 68 84 91 90 6D D6 11 10  
7C 78 C1 F5 11 82 31 AA 38 69 7D 3C 58 78 54 2D A8 0D D8 0D D8 78  
8D 34 44 87 2A 2B 08 98 87 48 3E 9C 48 68 30 08 08 15 A7 8E 36  
5F E7 B7 5D CD F4 15 2D C8 89 29 28 A3 8E 58 A9 CC 8D 0D 08  
72 55 6F 26 3C 8E C7 B7 78 28 94 38 18 69 39 57 83 E3 8A D7 EA E2  
0C 63 57 5F 5F C9 43 8D 88 64 A9 4D 17 01 3E 0D EA 29 F2 5D 0C 1C  
00 31 58 98 3D 02 1C 23 8C 51 6A 4D 8E A6 58 D8 60 82 53 B6 3F 1A  
04 47 B8 8D 4A 37 48 0F 07 76 0C F8 28 82 27 39 A2 7D 9E 8D A8 36  
0A 34 63 CD 74 20 85 C9 10 6A 8F 94 81 57 F2 8B 05 3E 5B AA 0C 2E  
3E 89 11 63 56 27 4B 26 8E 88 5E 8C 8C 48 72 39 9D 24 6F 27 81  
60 82 DA 18 8D 3C 5E 82 2C 08 58 82 8C 6A 49 96 DA 2D 46 19 0E  
3F D9 06 8F F8 39 87 3F 51 CC 74 E8 C7 38 72 94 F4 10 D8 D8 8E  
C9 C8 43 C8 78 6E 0A 86 7A 20 C8 1E AA 1B 39 E3 73 88 16 78 E5 36  
4B 0B A4 59 4D 40  
-----BEGIN PUBLIC KEY-----  
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA...  
-----END PUBLIC KEY-----  
SHA256-DATA:  
7F9D3C30D9C788P406118360A8835674272E4143A4A1A2D8E8060807A  
40A254-0822  
86101396A6464b657418309A03F46A25947F548896C8587973ABD2F387

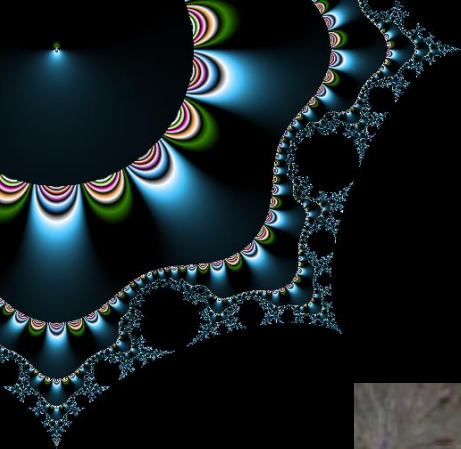


# 2011

## Hack in Paris







# 2010 Stuxnet

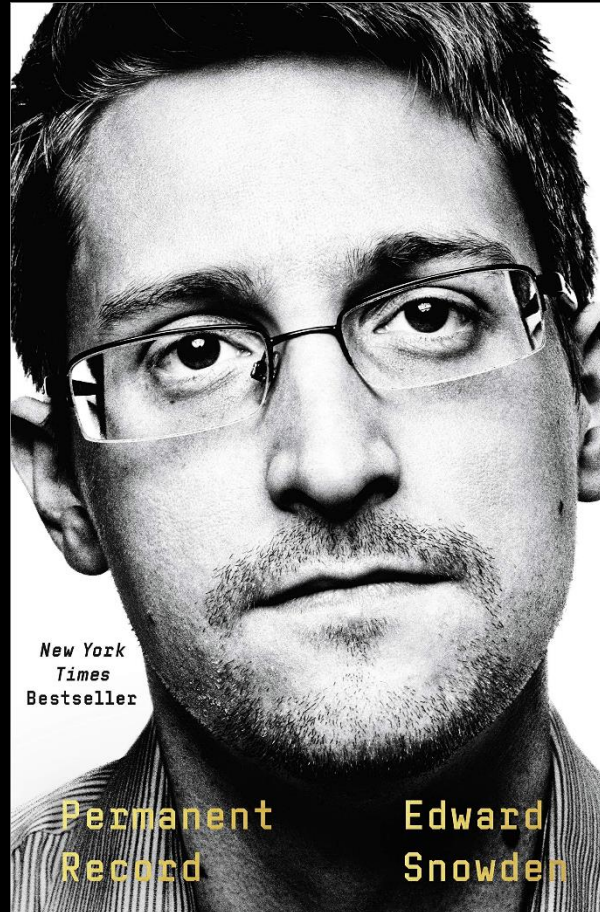


<http://www.slate.fr/story/30471/stuxnet-virus-programme-nucleaire-iranien>



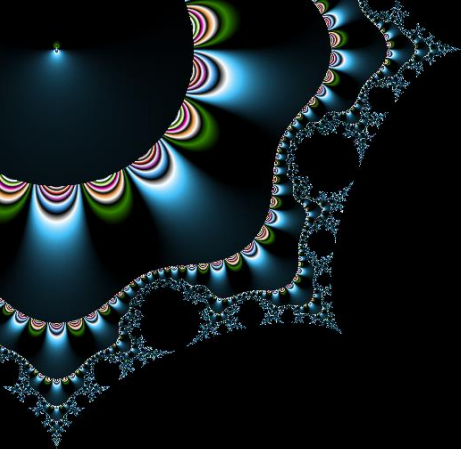


# 2013 Snowden



# Web 3.0

Web Everywhere

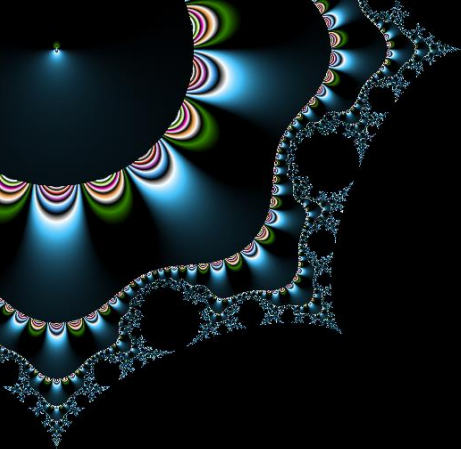


2009

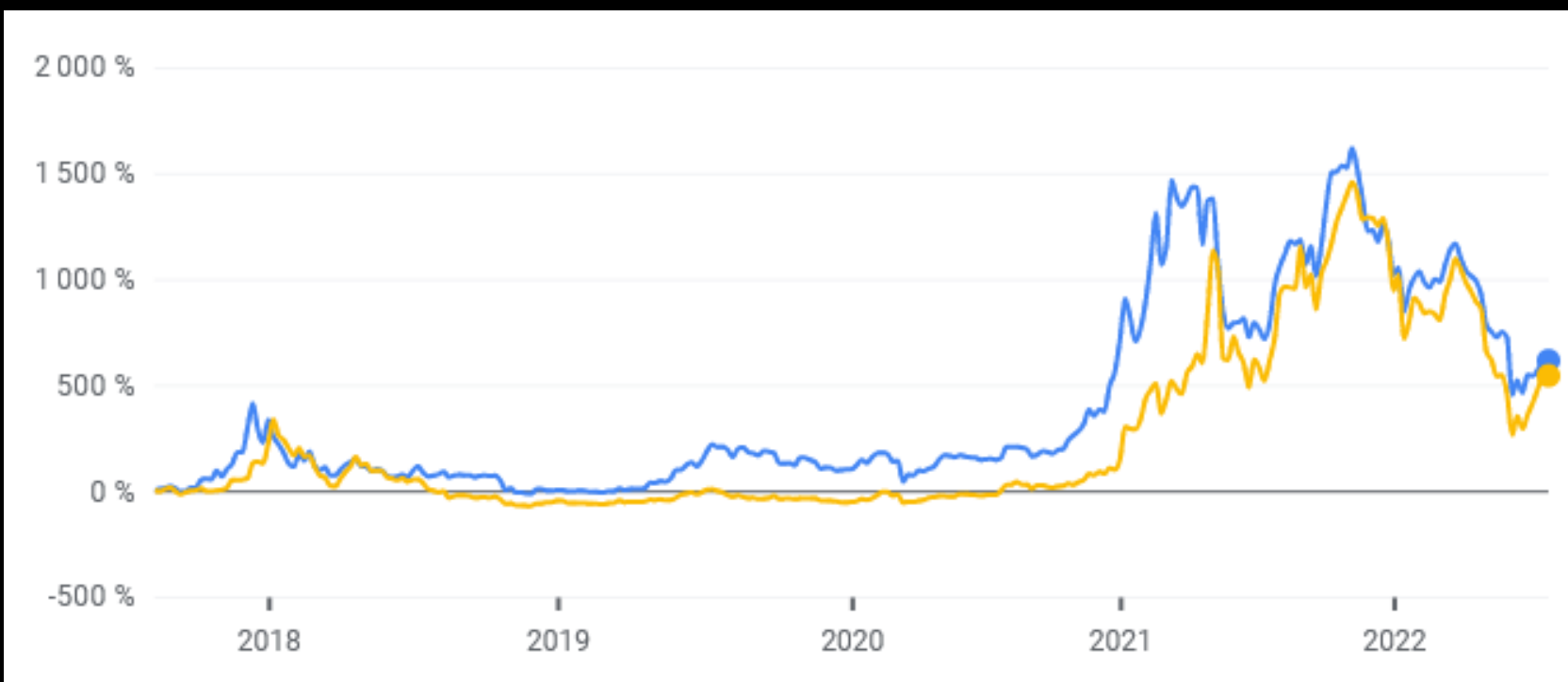
FabLabs / Hacklabs



<https://www.18h39.fr/articles/decouvrez-artilect-premier-fablab-de-france.html>



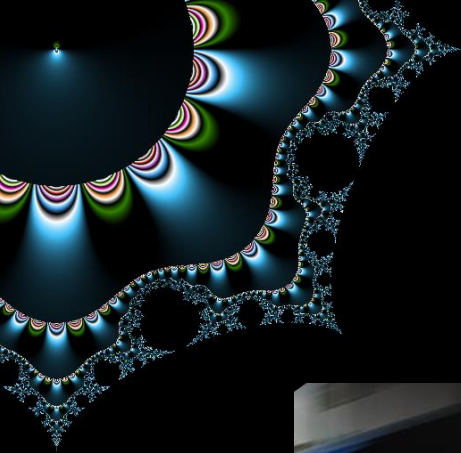
# 2009 Bitcoin



Cours du BTC (bleu) et ETH (orange) © Google Finance







# 2015

## Hacking a car



**JEEP CHEROKEE**





# 2015

## Hacking a plane

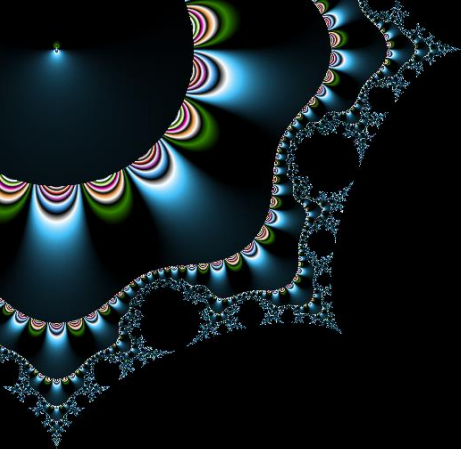




2016

Mirai vs Dyn DNS

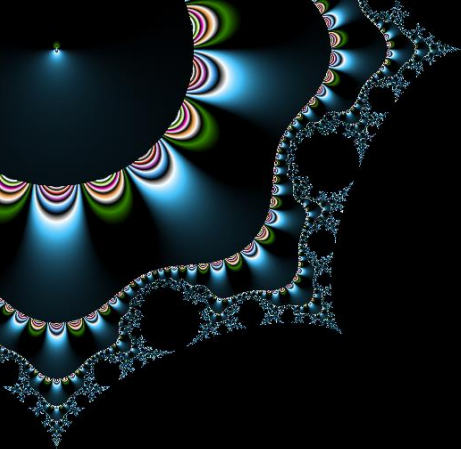




2016  
OVH – 1Tbps



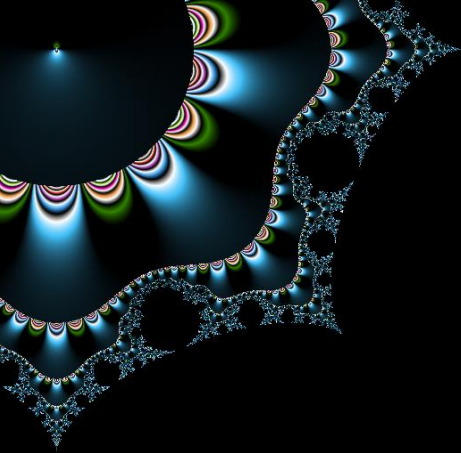
OVH.com



# 2016 Shadow Broker



[https://www.securityinsider-wavestone.com/2017/05/retours-sur-shadow-brokers\\_9.html](https://www.securityinsider-wavestone.com/2017/05/retours-sur-shadow-brokers_9.html)



# 2017

## EternalBlue (Adylkuzz, Wannacry, NotPetya)

Wana Decrypt0r 2.0

**Ooops, your files have been encrypted!** English



**What Happened to My Computer?**  
Your important files are encrypted. Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

**Can I Recover My Files?**  
Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time. You can decrypt some of your files for free. Try now by clicking <Decrypt>. But if you want to decrypt all your files, you need to pay. You only have 3 days to submit the payment. After that the price will be doubled. Also, if you don't pay in 7 days, you won't be able to recover your files forever. We will have free events for users who are so poor that they couldn't pay in 6 months.

**How Do I Pay?**  
Payment is accepted in Bitcoin only. For more information, click <About bitcoin>. Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>. And send the correct amount to the address specified in this window. After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am GMT from Monday to Friday.

**Payment will be raised on**  
5/16/2017 00:47:55  
Time Left  
02:23:57:37

**Your files will be lost on**  
5/20/2017 00:47:55  
Time Left  
06:23:57:37

[About bitcoin](#)  
[How to buy bitcoins?](#)  
[Contact Us](#)

**Send \$300 worth of bitcoin to this address:**  
12t9YDPgwueZ9NyMgw519p7AA8isjr6SMw Copy

Check Payment Decrypt





2016, 2018

General Data Protection Regulation





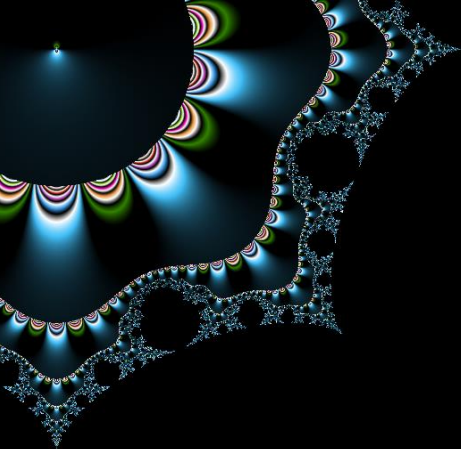


2019

Maze



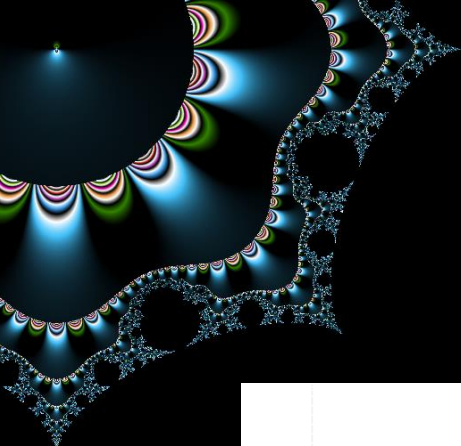
Maze Ransomware



# 2020 COVID19



<https://www.futura-sciences.com/sante/definitions/coronavirus-sars-cov-2-18559/>



2017, 2020  
Solarwind

solarwinds

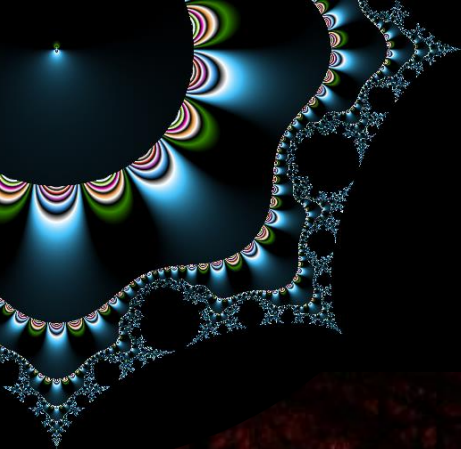


*The Power to Manage IT*

# What's next?

Where are we going ?





# Crisis



# Artificial Intelligence

