



Maths, beauté et fraternité

Festival “Les maths dans tous leurs états” 2020

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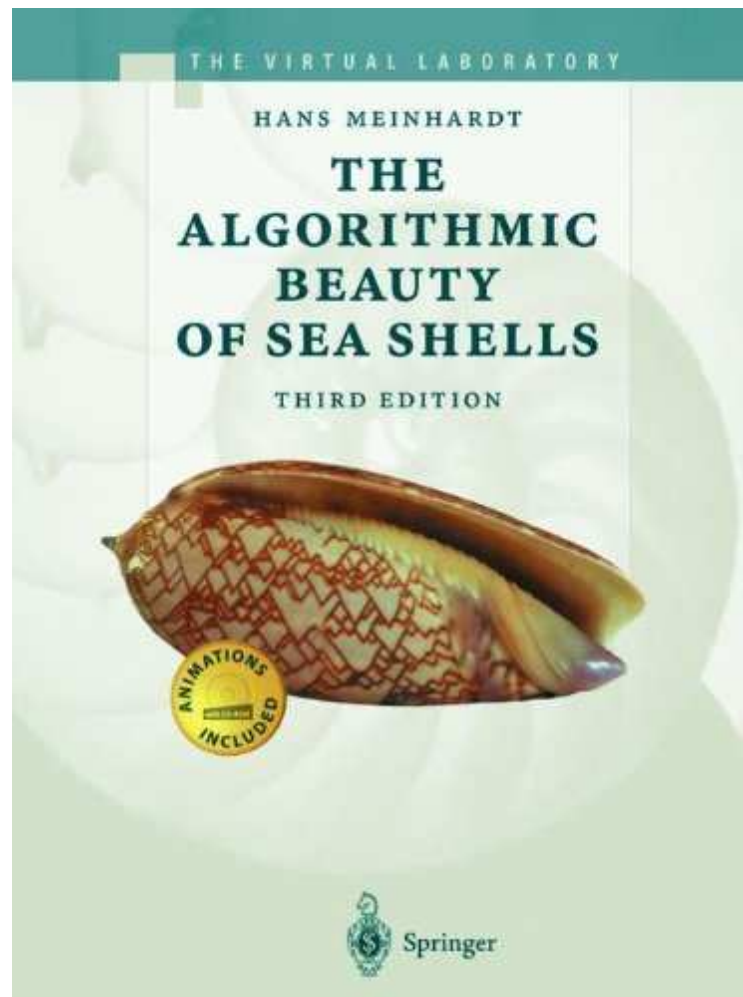
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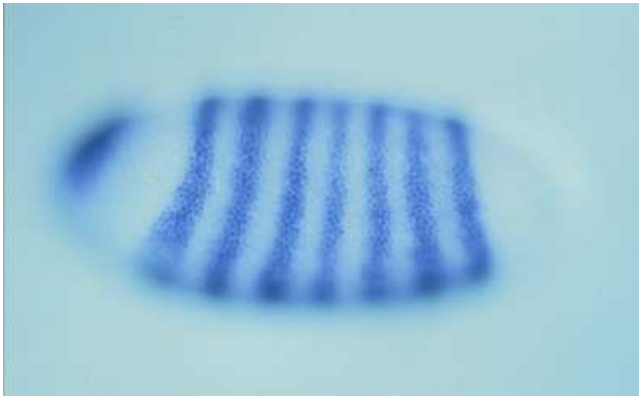


Meinhardt : la beauté algorithmique



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Morphogénèse :



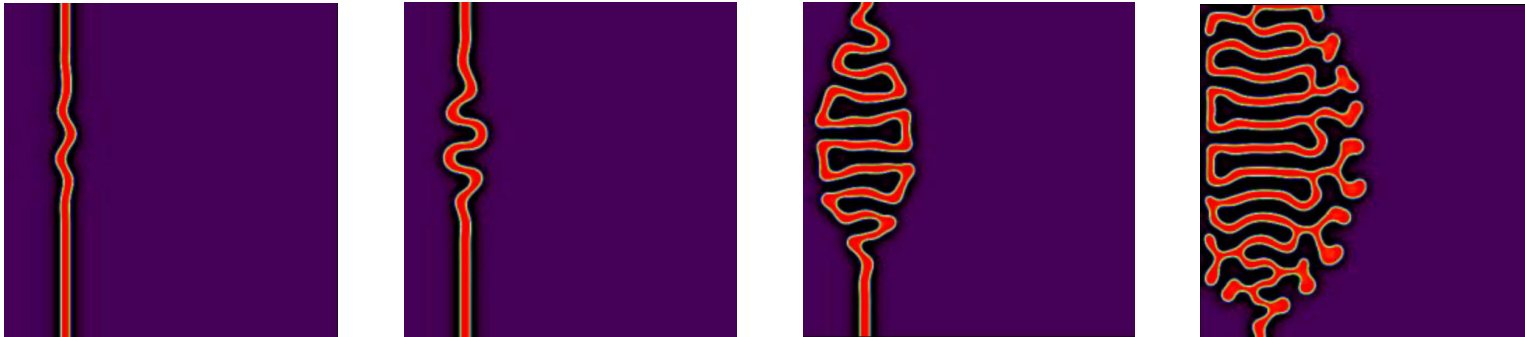
Alan Turing :



Systeme de réaction-diffusion
(très simple)

Meinhardt : la beauté algorithmique

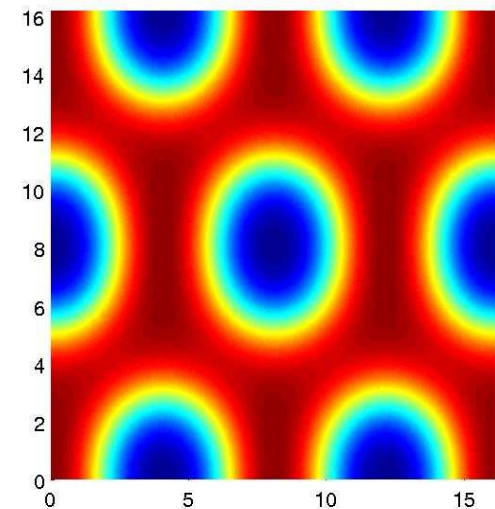
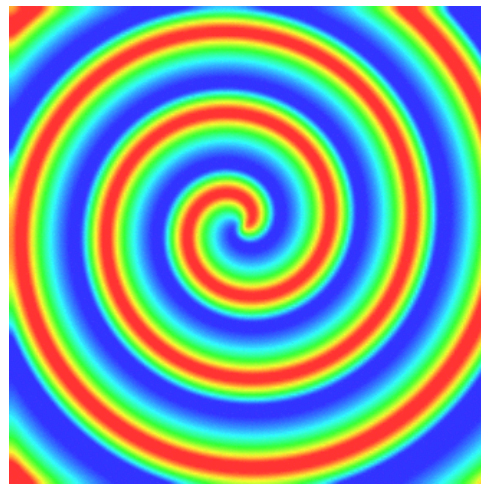
Très simple mais très riche !



Labyrinthe

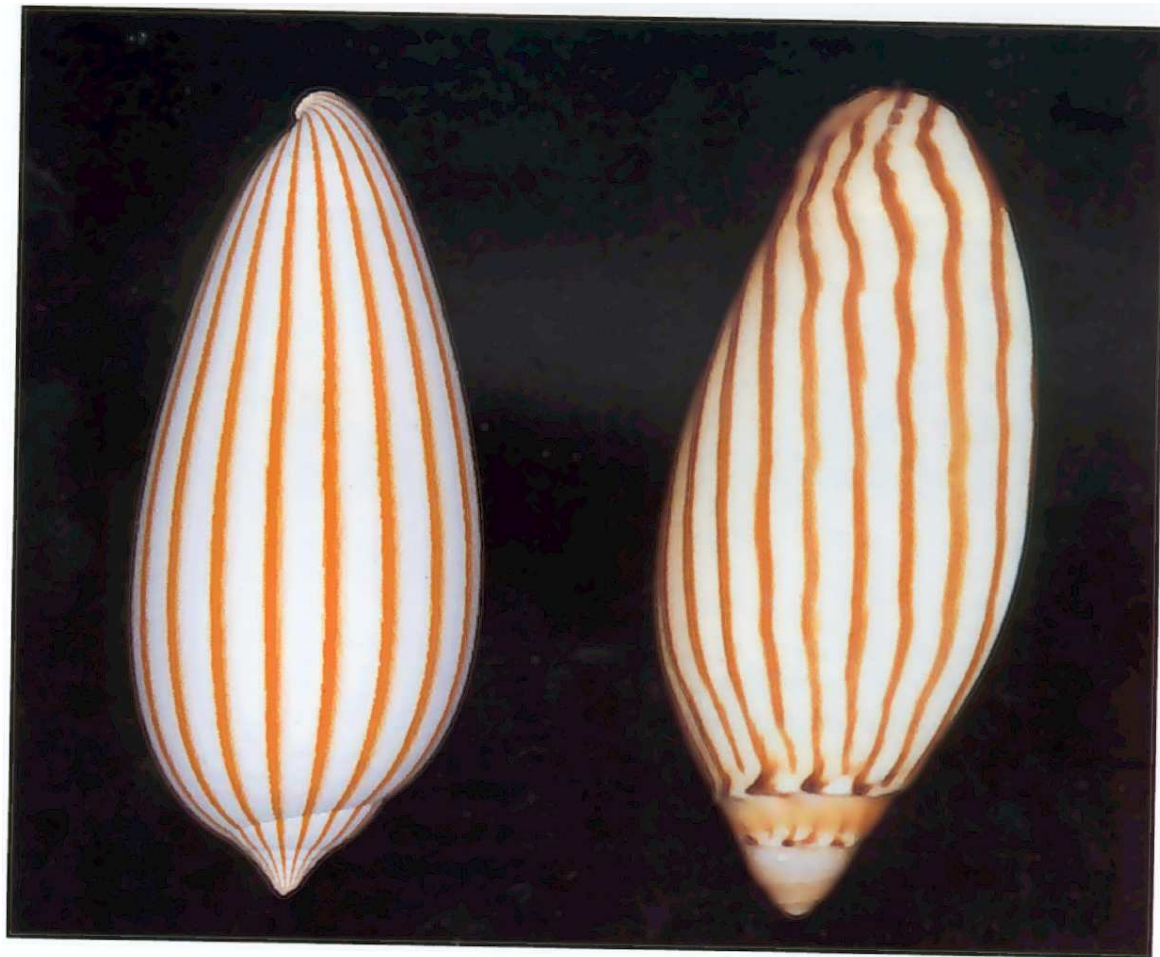
Onde spirale

Spot splitting



Meinhardt : la beauté algorithmique

Hans Meinhardt :



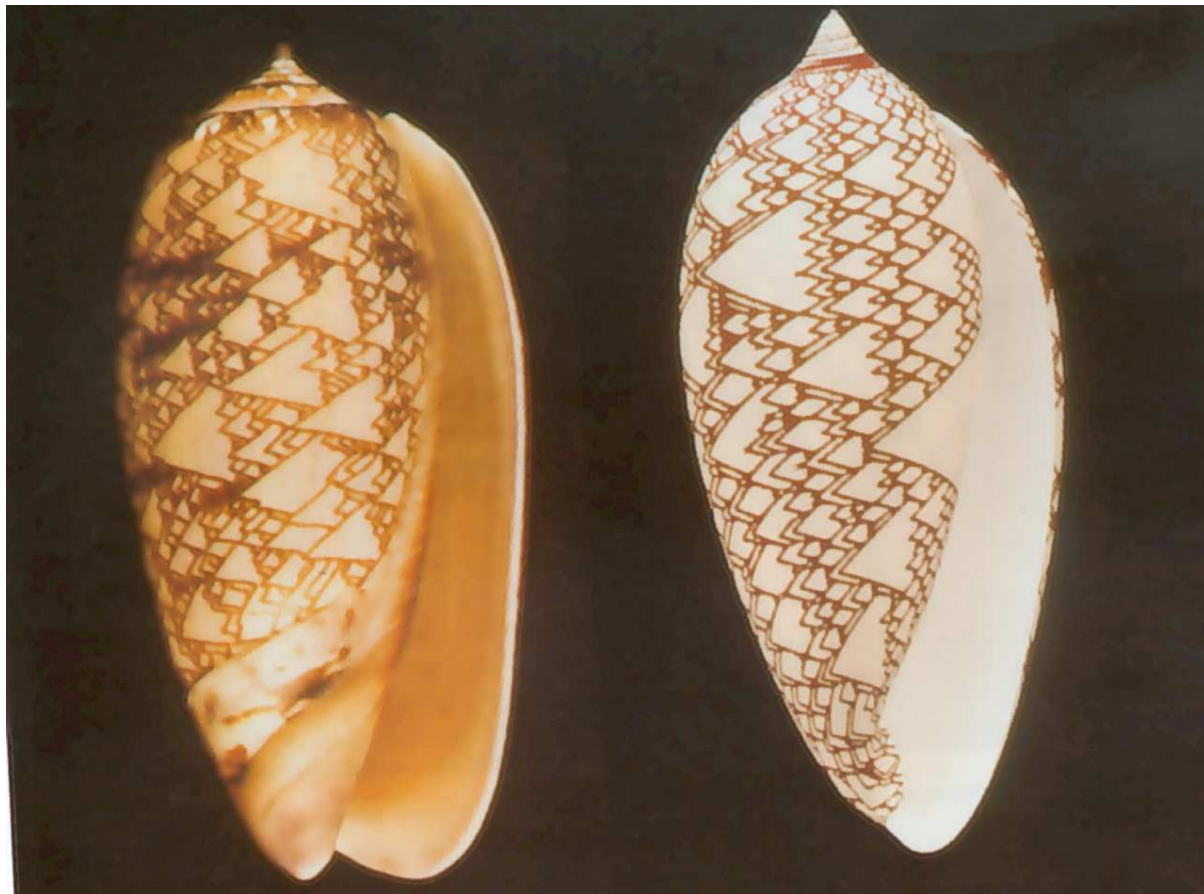
Meinhardt : la beauté algorithmique

Hans Meinhardt :

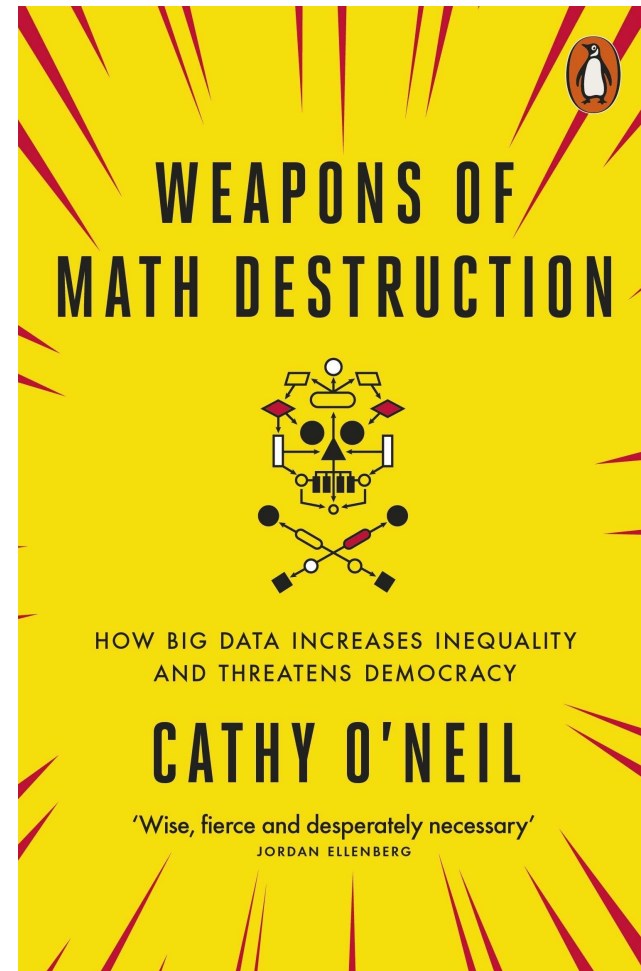
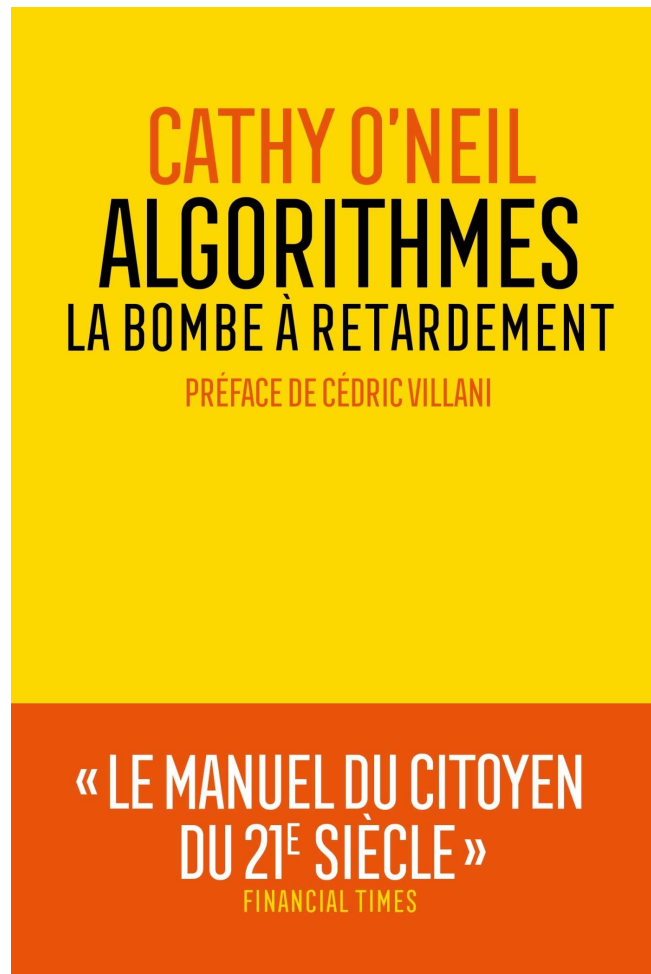


Meinhardt : la beauté algorithmique

Hans Meinhardt :

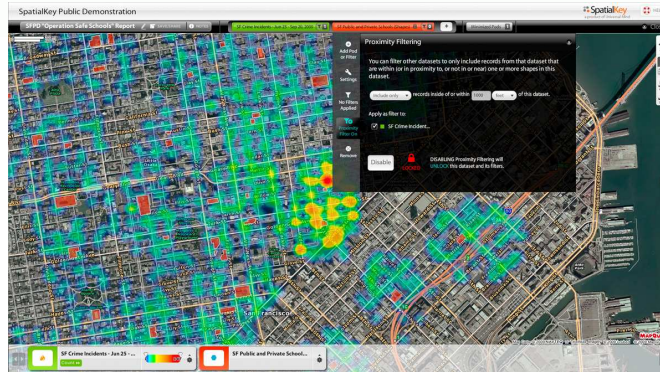


O'Neil : Les dangers des algorithmes



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Police prédictive :

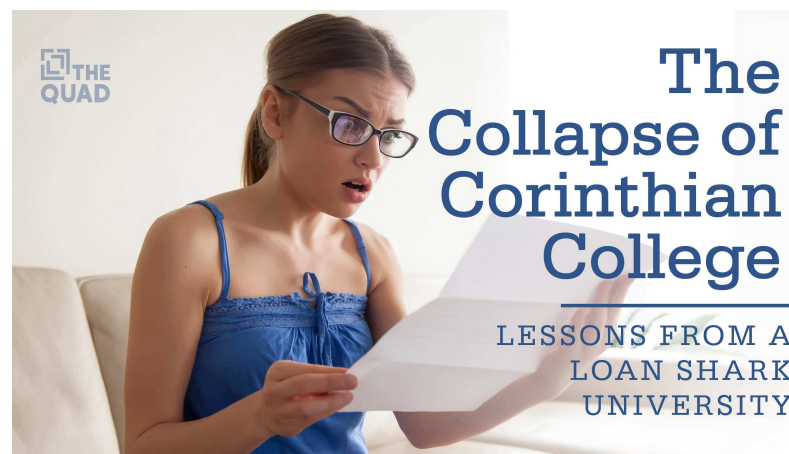
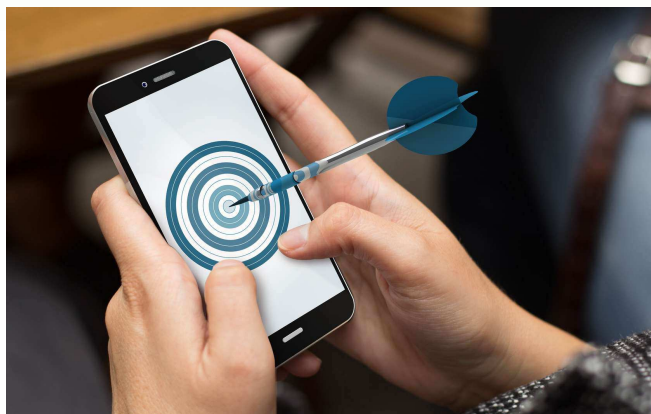


rétro-action

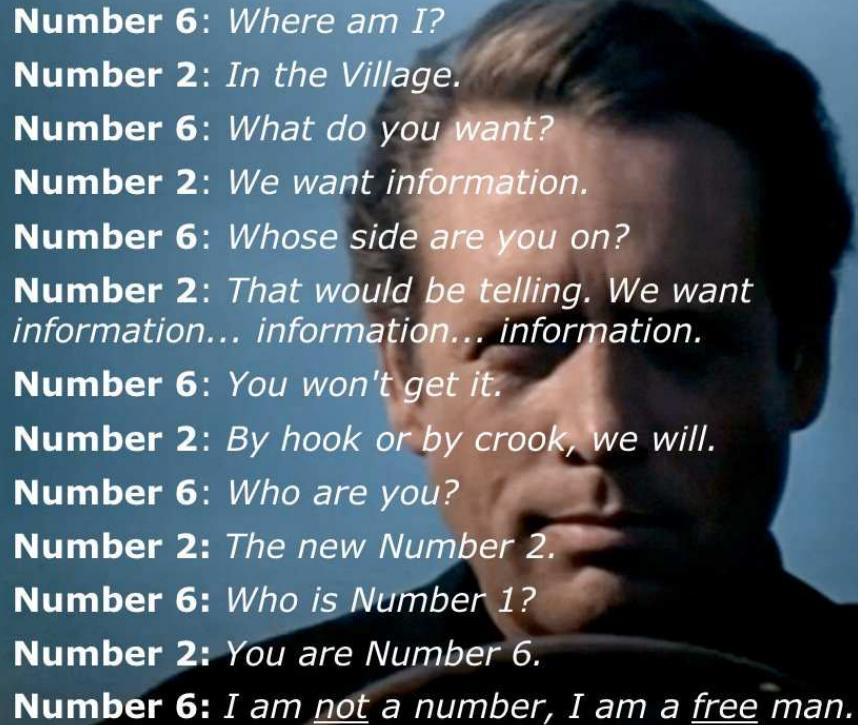


O'Neil : Les dangers des algorithmes

Pubs ciblées,
accès à l'éducation :



Où est passée l'harmonie ?



Number 6: *Where am I?*
Number 2: *In the Village.*
Number 6: *What do you want?*
Number 2: *We want information.*
Number 6: *Whose side are you on?*
Number 2: *That would be telling. We want information... information... information.*
Number 6: *You won't get it.*
Number 2: *By hook or by crook, we will.*
Number 6: *Who are you?*
Number 2: *The new Number 2.*
Number 6: *Who is Number 1?*
Number 2: *You are Number 6.*
Number 6: *I am not a number, I am a free man.*



Wherever there is
number, there is beauty.

Proclus

Où est passée l'harmonie ?



Et maintenant, table ronde !