

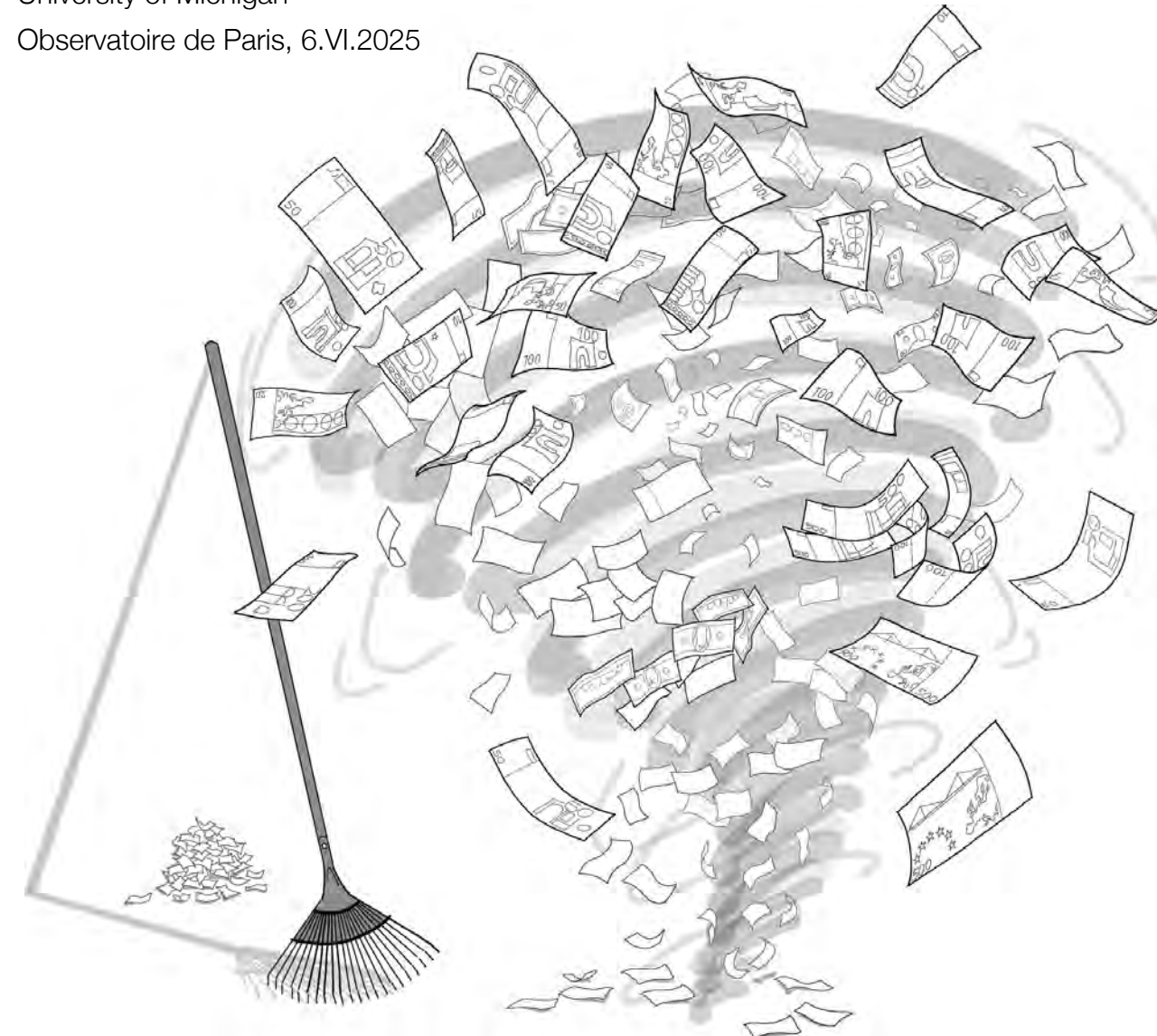
LES FLUX, LES CYCLES, ET LA TRANSMISSION

promenade archi-auto-bio-graphique

Mireille Roddier

University of Michigan

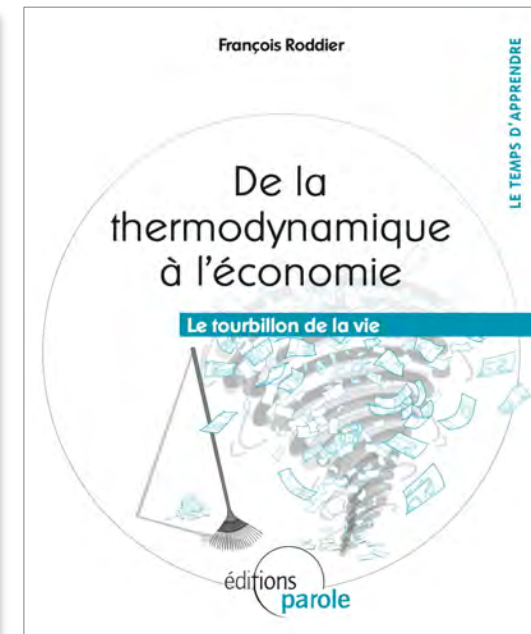
Observatoire de Paris, 6.VI.2025



Le pain, le levain et les gènes:
Un essai sur l'évolution
(2009)

Thermodynamique de l'évolution:
Un essai de thermo-bio-sociologie
(2012)

De la thermodynamique à
l'économie: Le tourbillon de la vie
(2018)



1. De la promenade

“La marche a quelque chose qui anime et avive mes idées; je ne puis presque penser quand je reste en place. Il faut que mon corps soit en branle pour y mettre mon esprit.”

- J.J. Rousseau

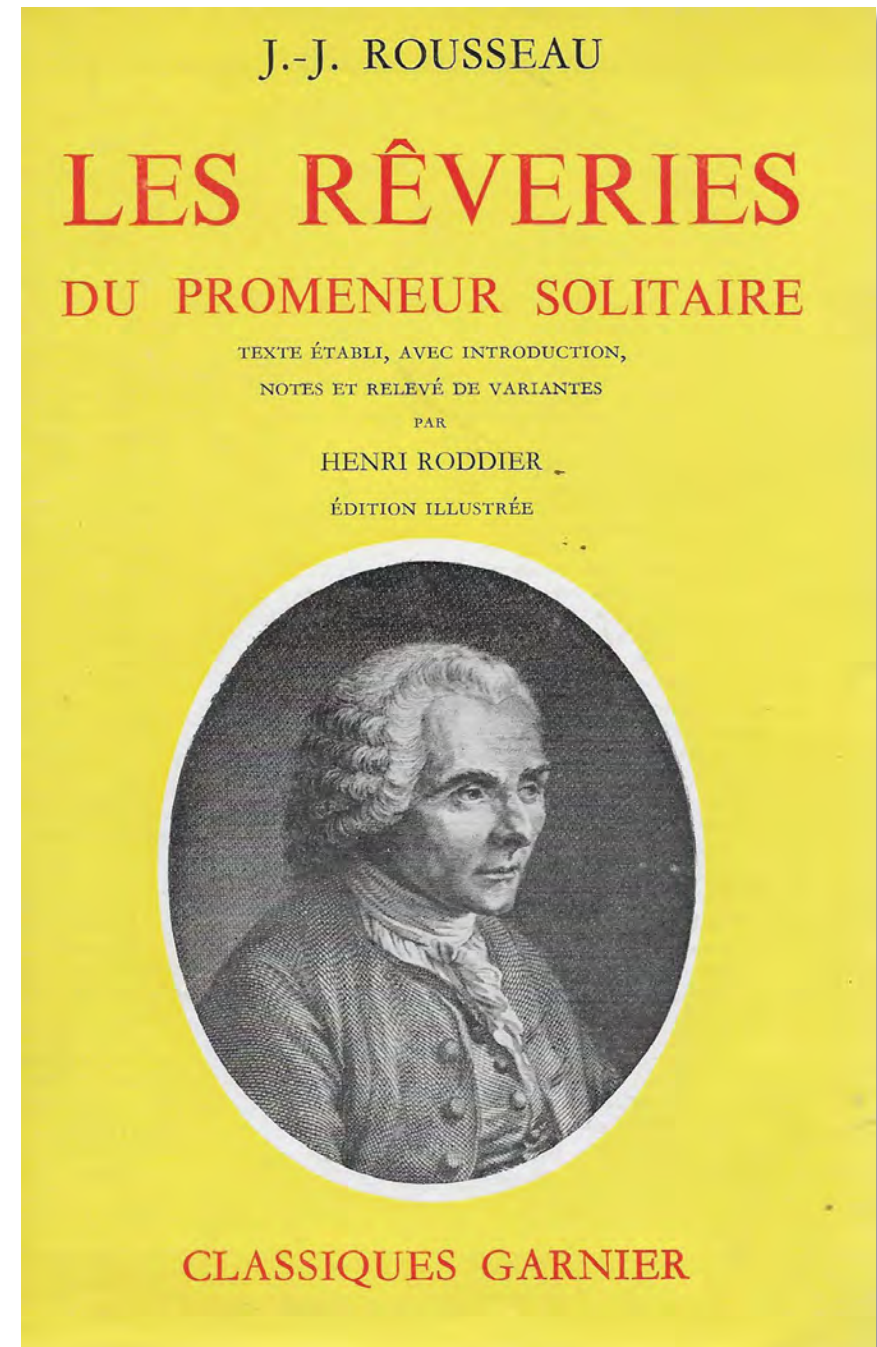


“La rêverie féconde, la rêverie géniale qui transforme la vie, sont rarement l’apanage de la jeunesse. Rousseau ne commença de rêver utilement à certains grands problèmes qu’en faisant lui-même son éducation. (...)”

L’étude et la méditation favorise le rêve. Le bonheur est complet lorsqu’un être aimé partage vos joies.”

- Henri Roddier, préface (1959)
Les rêveries du promeneur solitaire

Mitnick-Roddier, *Étant donné... un jardin*
Festival International des Jardins
Chaumont-sur-Loire, 2007



2. De l'importance du soleil

Charles GARNIER & Gustave EIFFEL

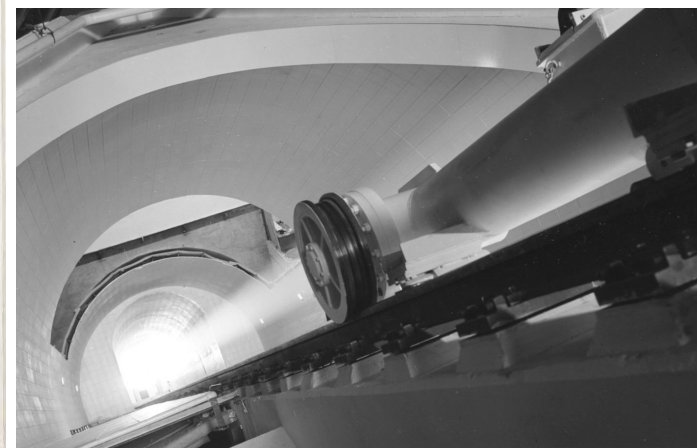
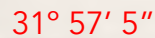
Grand Equatorial
Mont Gros, Nice (1887)



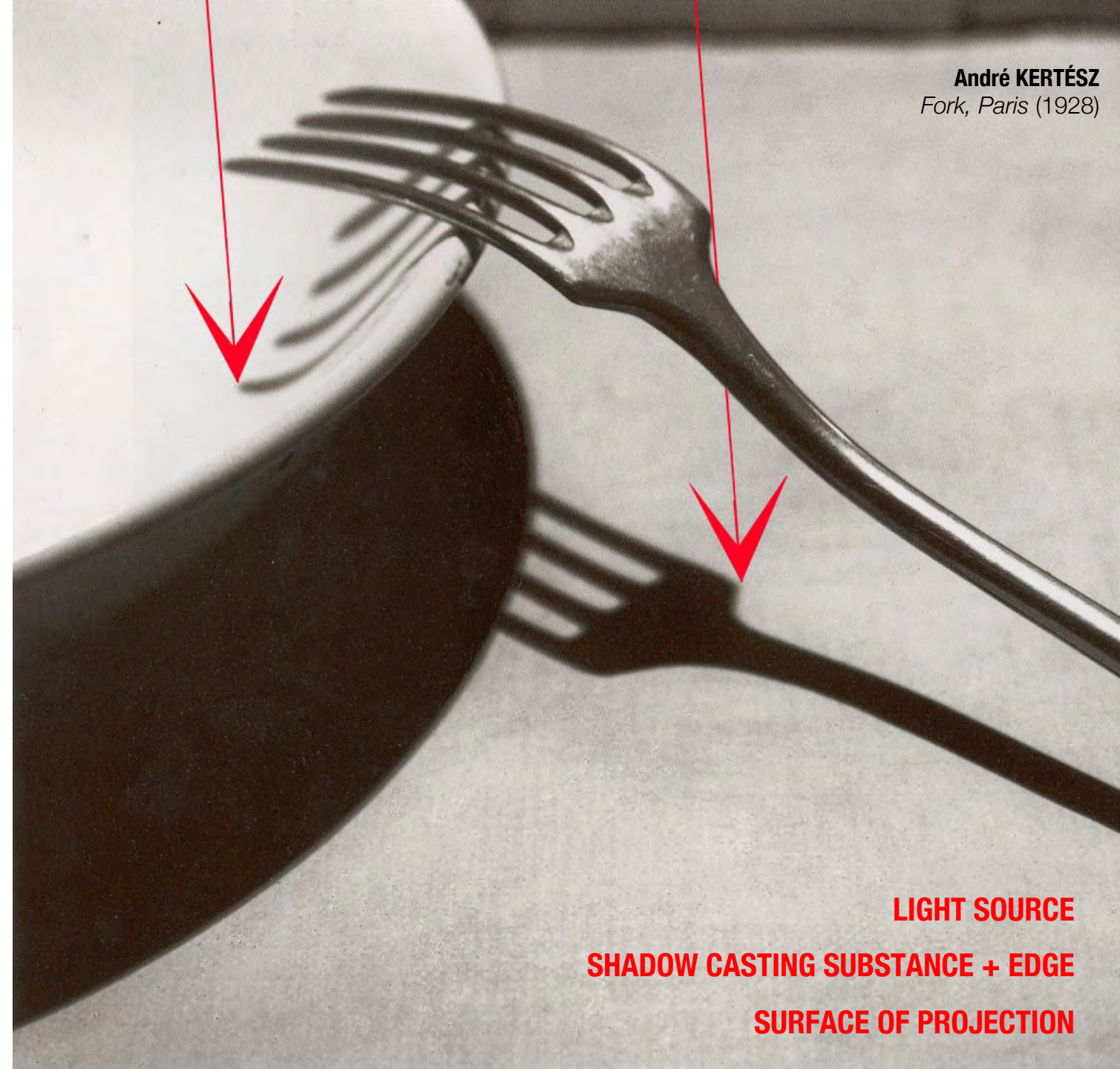
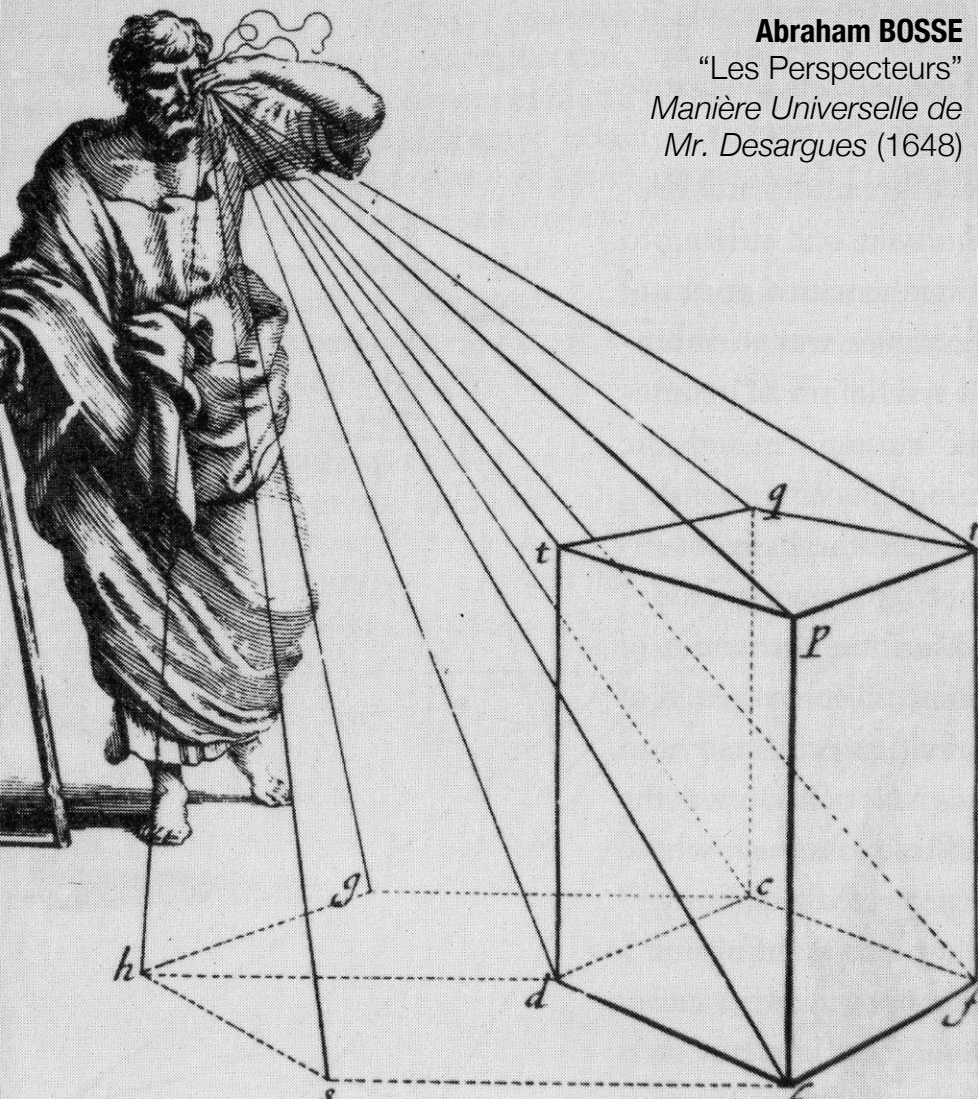
SKIDMORE, OWINGS & MERRILL (SOM)

McMath-Pierce Solar Telescope
Kitt Peak, Tucson (1962)





3. Du passage d'un flux



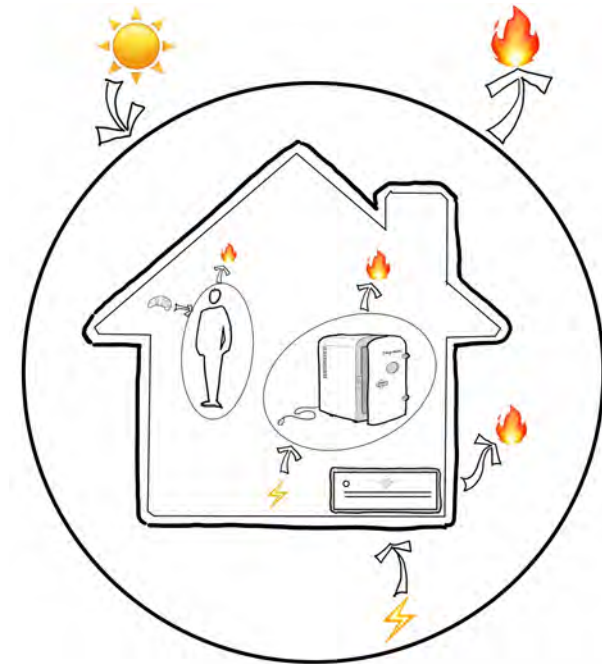
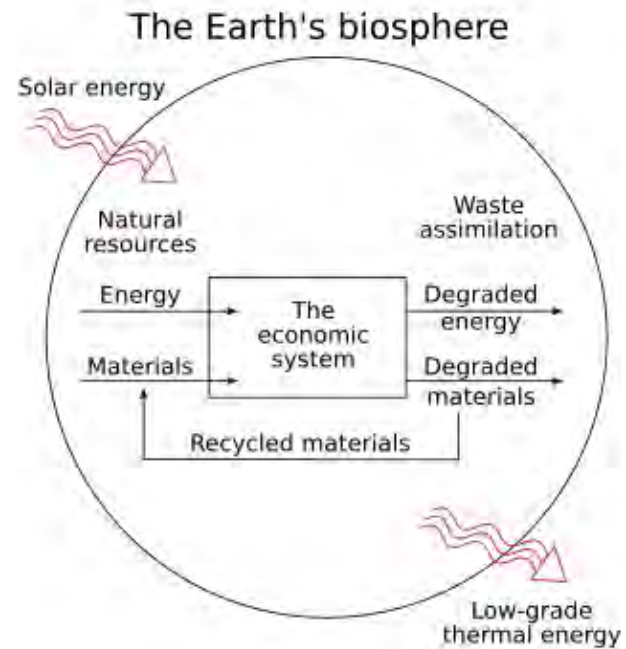
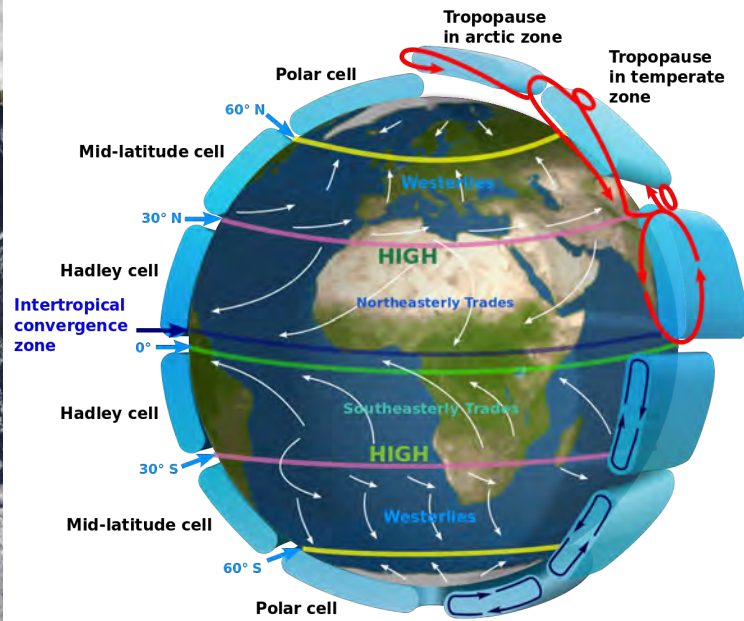
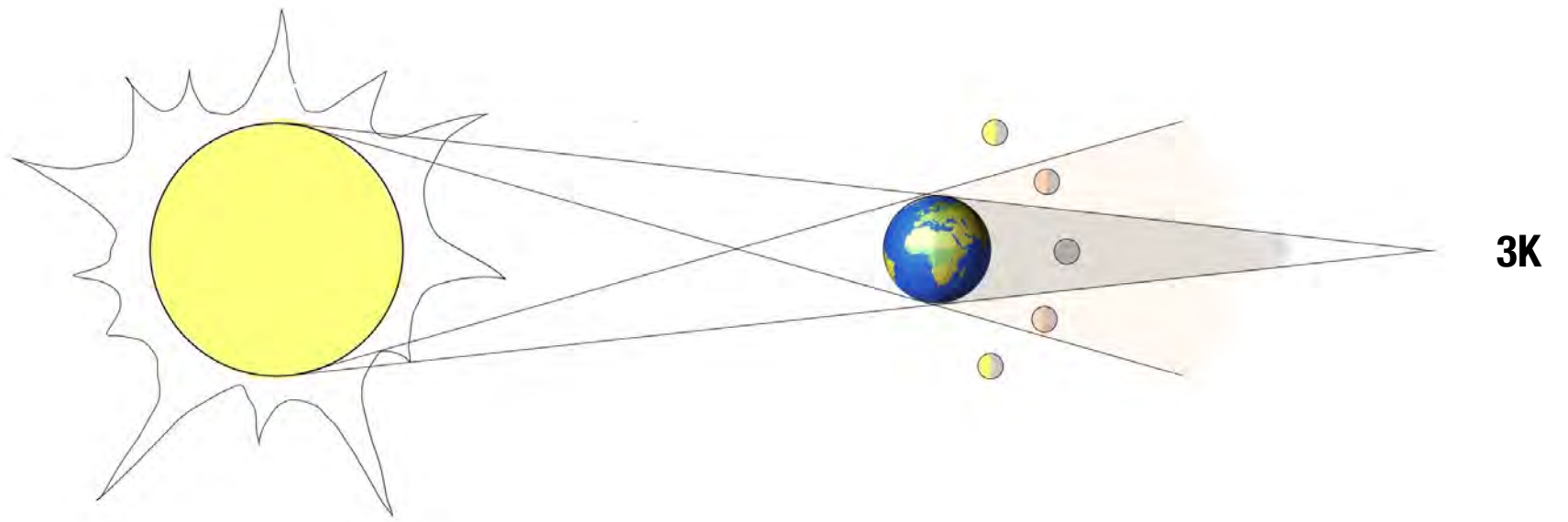
Tim NOBLE & Sue WEBSTER
Dirty White Trash (With Gulls)
1998



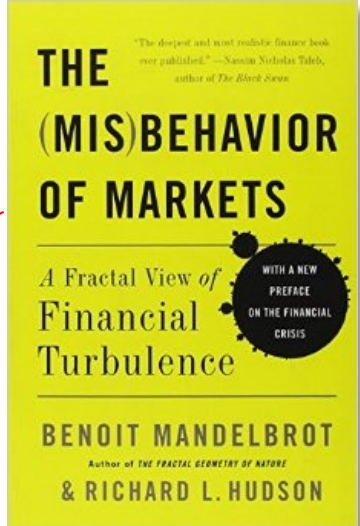
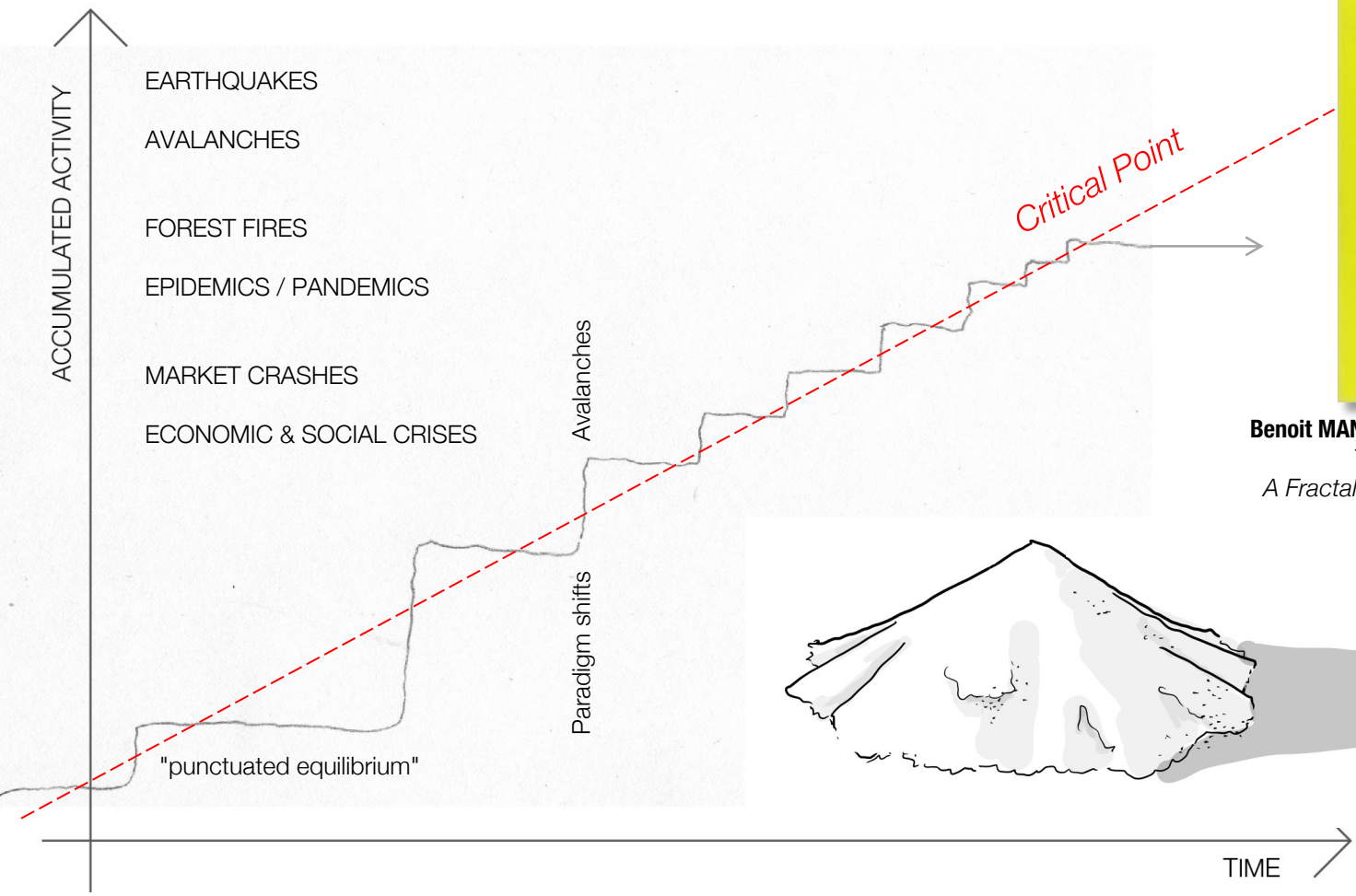
Yann ARTHUS-BERTRAND
Dromedary near Nouakchott, Mauritania (1999)



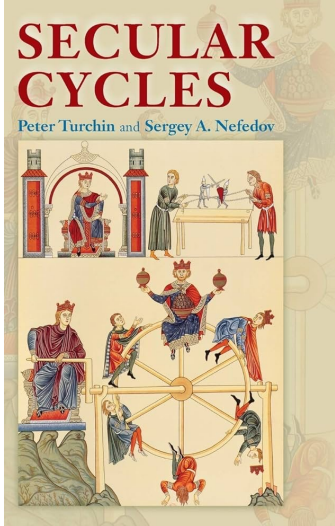
Lunar Eclipse



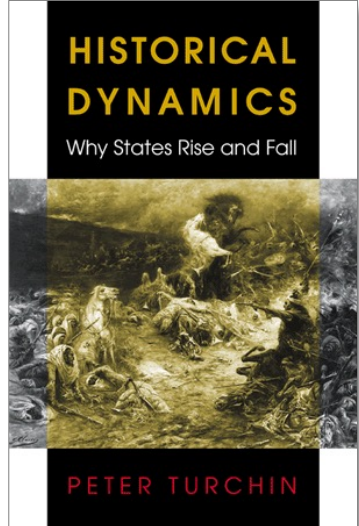
4. Des l'enchâssement de cycles



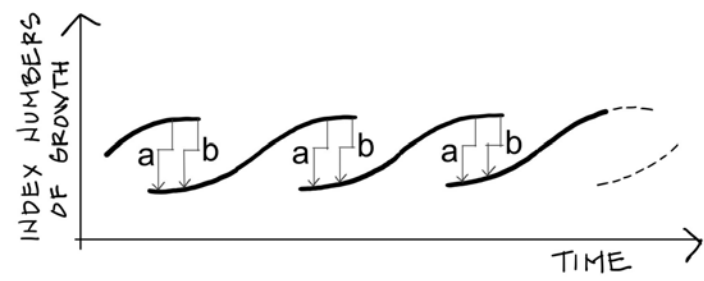
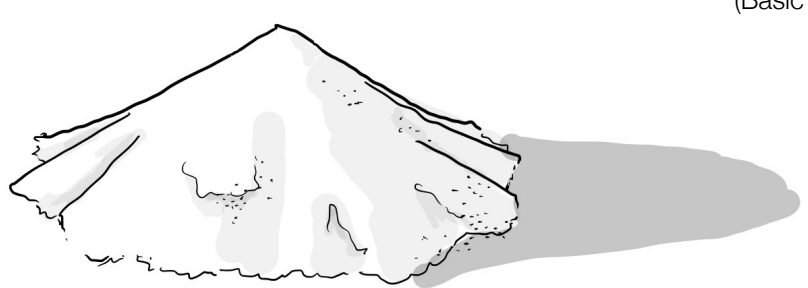
Benoit MANDELBROT & Richard L. HUDSON
The (mis)behavior of Markets: A Fractal View of Financial Turbulence (Basic Books, 2006)



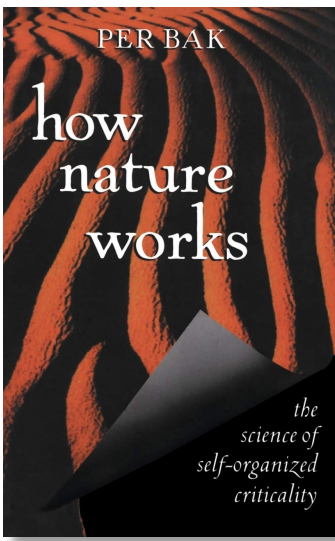
Peter TURCHIN & Sergey NEFEDOV
Secular Cycles (Princeton University Press, 2009)



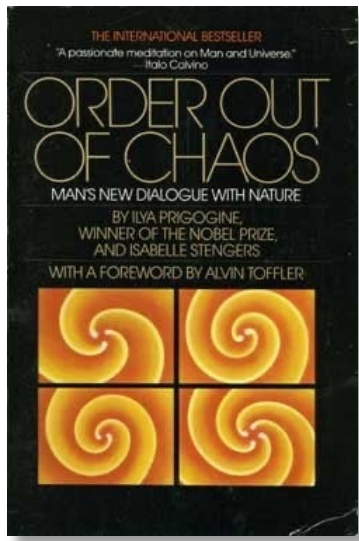
Peter TURCHIN
Historical Dynamics: Why States Rise and Fall (Princeton University Press, 2003)



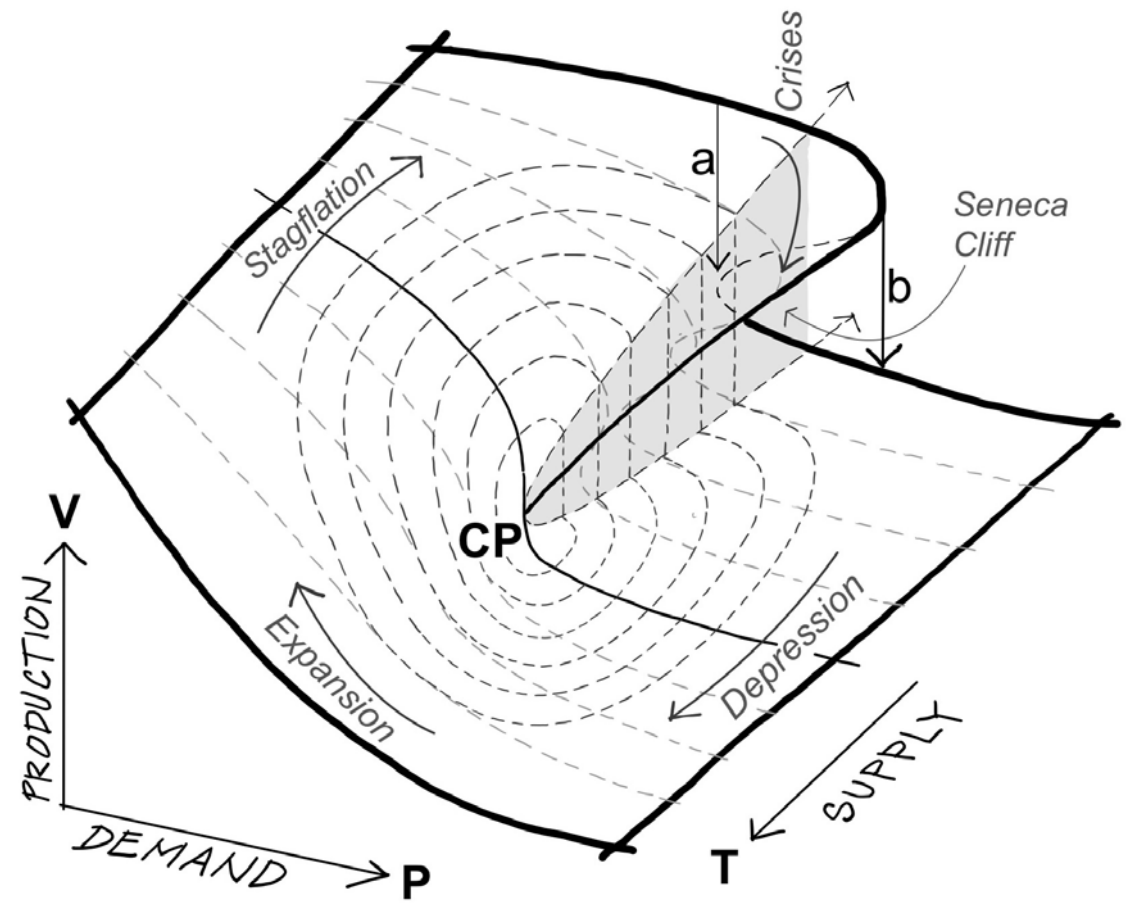
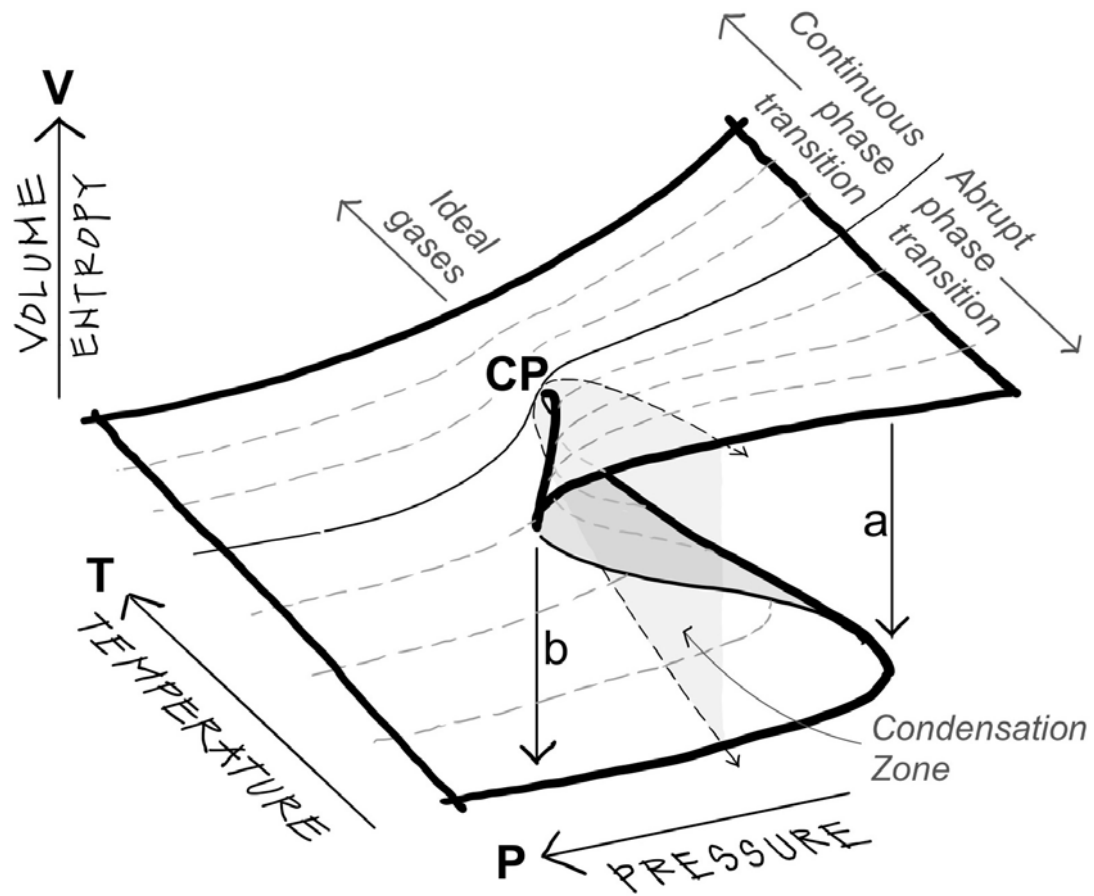
Gerhard Mensch's metamorphosis model
(Source: Mensch, 1979)



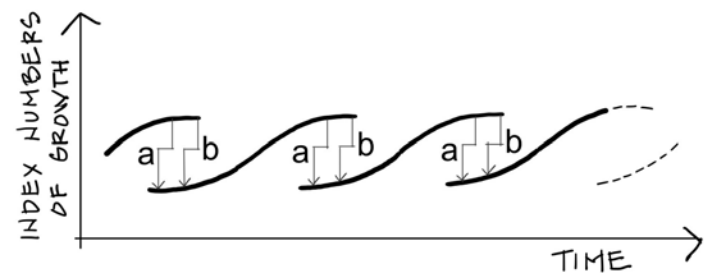
Per BAK, *How Nature Works: the Science of Self-Organized Criticality* (1996)



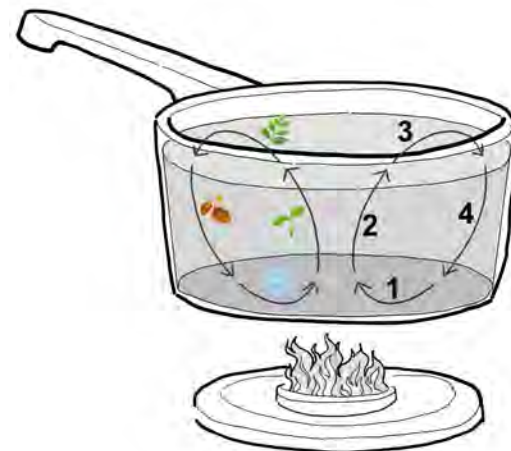
Ilya PRIGOGINE & Isabelle STENGERS, *Order out of Chaos* (1984)



Van der Waals isotherms modeling phase transition behavior of particles close to a critical temperature



Gerhard Mensch's metamorphosis model
(Source: Mensch, 1979)



	Carnot cycle	Convection cycle	Seasonal cycle	Economic cycle
1	Isothermal expansion	Temperature rises	Winter (germination)	Depression
2	Adiabatic expansion	Ascension (expansion)	Spring (growth)	Expansion
3	Isothermal compression	Temperature drops	Summer (climax)	Stagflation
4	Adiabatic compression	Descent (compression)	Fall (regression)	Crisis

The Avant-Gardes

Academia (*Cultural Producers vs. Institutions of Practice*)

Peer-Reviewed Publications

Architectural Biennales

NY Architecture League

Van Allen Institute

Cultural Journals

MoMA

The Safeguards

AIA

NCARB

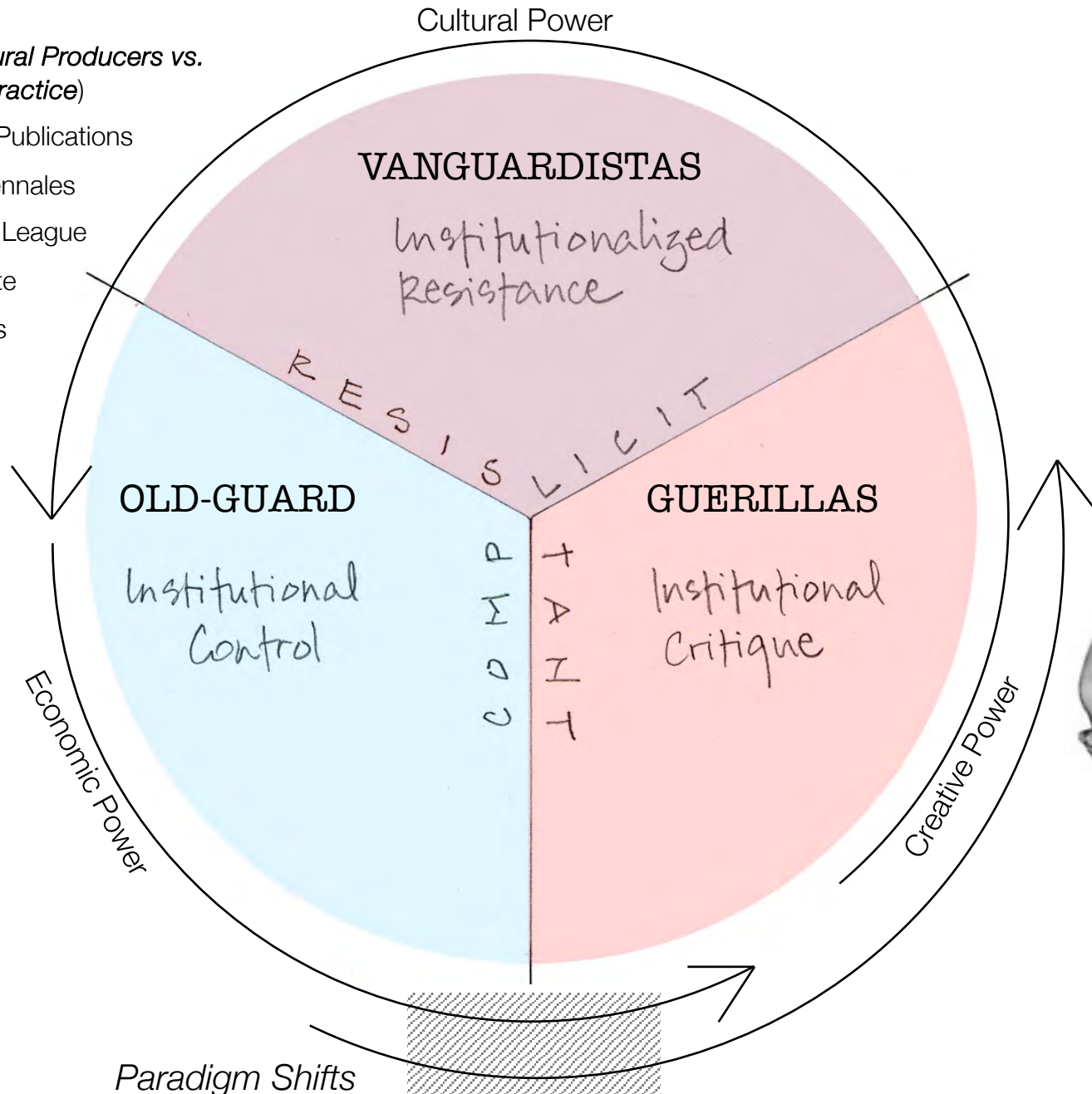
ACSA

NBBJ

HOK

Gensler

(Apollonians)



The Social Conscience

Cultural Resistance

Underground Collaboratives

Alternative Movements

DIY movements

Counterculture

Interventionists

(Dionysians)





MEDIATION

intellectual pleasures /
artificial

Mannerism

(1520's - 1580's)

Age of Reason

Order / reason
references to antiquity

Neo-Classicism

(1760's - 1910's)

Modernism

(1490's - 1520's)

High Renaissance

ideal proportions / beauty
harmony

(1600's - 1725)

Baroque

direct access
to emotions /
theatrical
demagogic tendencies

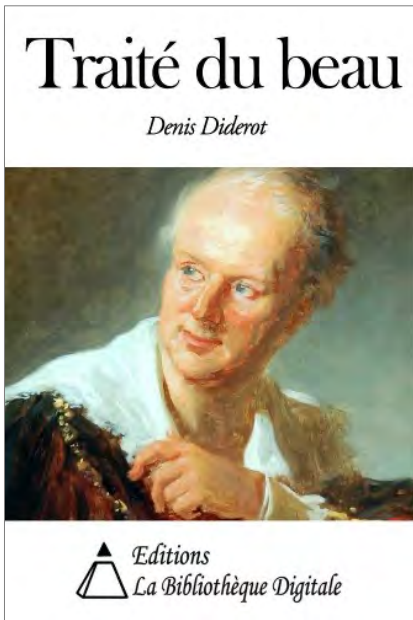
(1790's - 1850's)

Romanticism

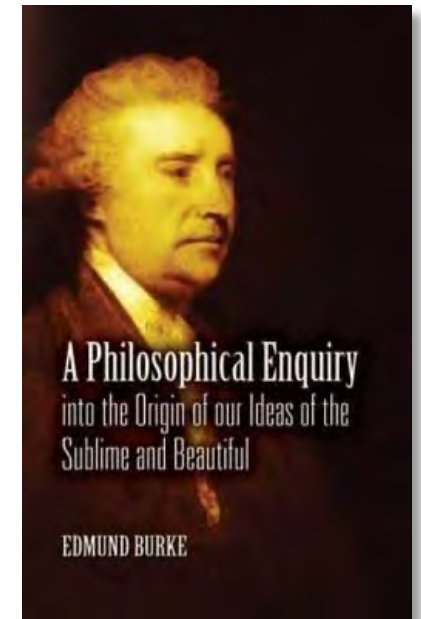
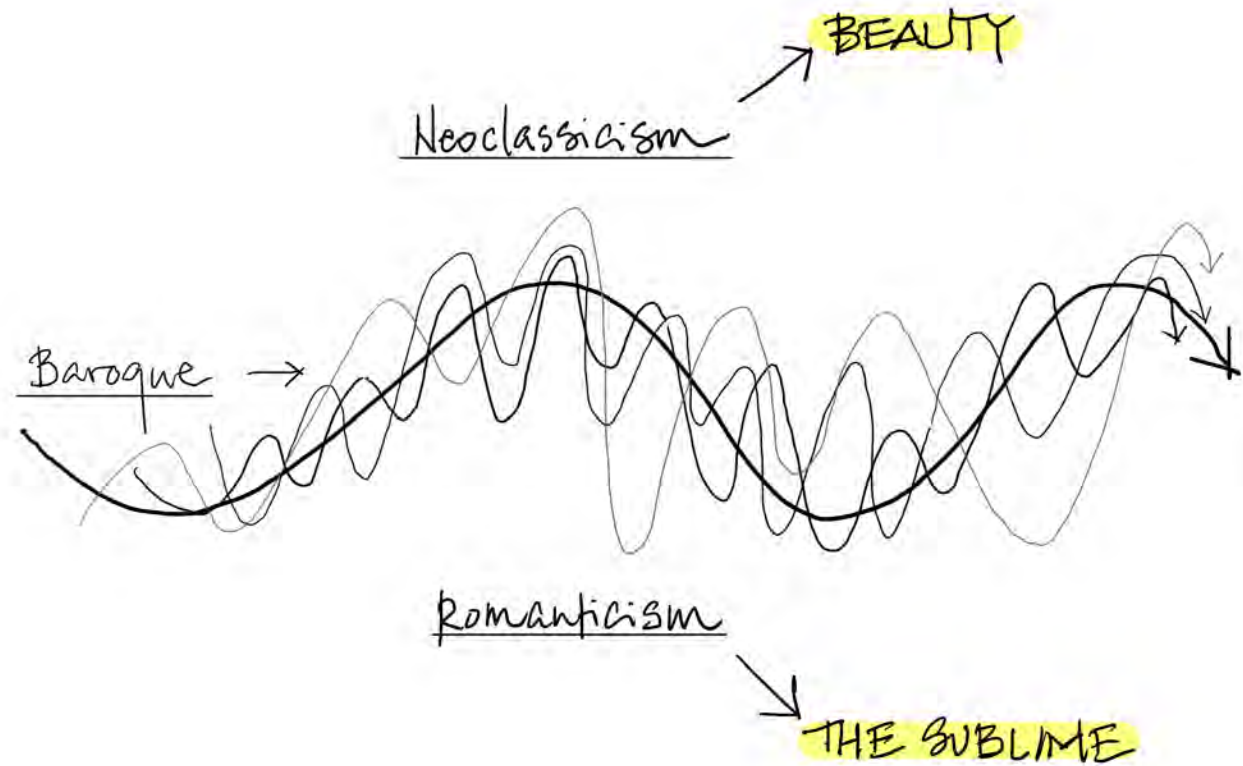
individual feelings
nature / emotions
aesthetic experience

IMMEDIACY





Denis DIDEROT
Treatise on Beauty [1752] (1772)



Edmund BURKE
A Philosophical Enquiry into the Origin of our Ideas of the Sublime and Beautiful (1757)

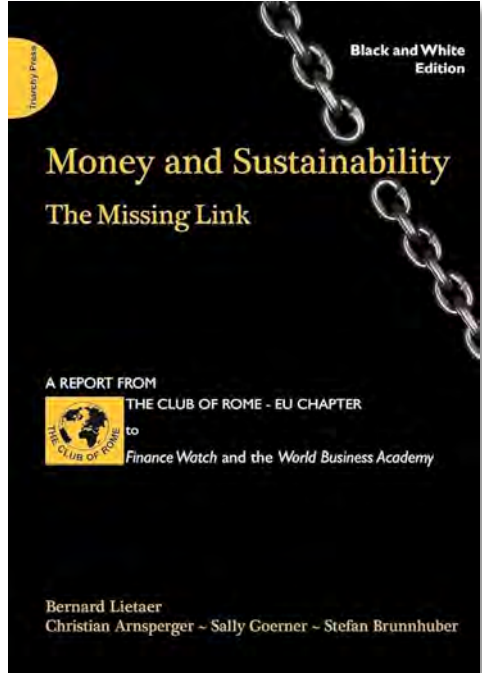
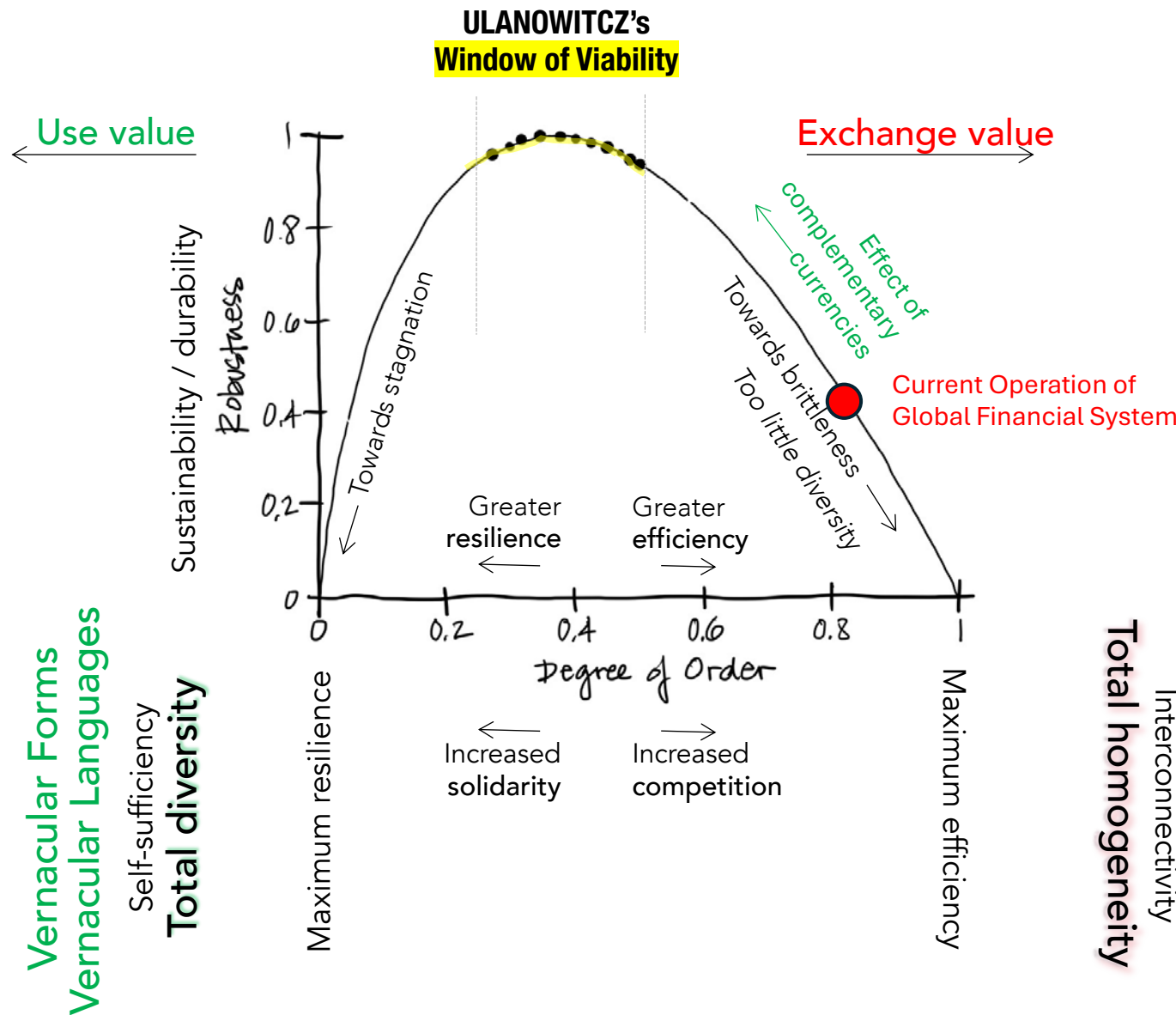
NEO-CLASSICISM

Plan driven
 Image driven / pictorial
 Order, continuity
 Known conclusion to linear narrative
 Static optical view (image production)
 Paternal
 Centered
Knowable
Whole to parts

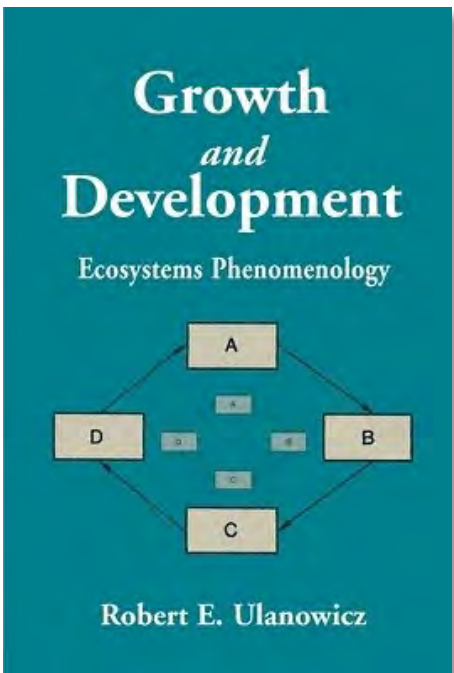
ROMANTICISM

Elevation / Plan disjunction
 Experience driven / cinematic
 Discontinuity, montage
 Pluralistic experience
 Peripatetic wandering
 Not oriented
 Multiplicity of centers
Unknowable
Parts to whole

5. Des fenêtres et des seuils

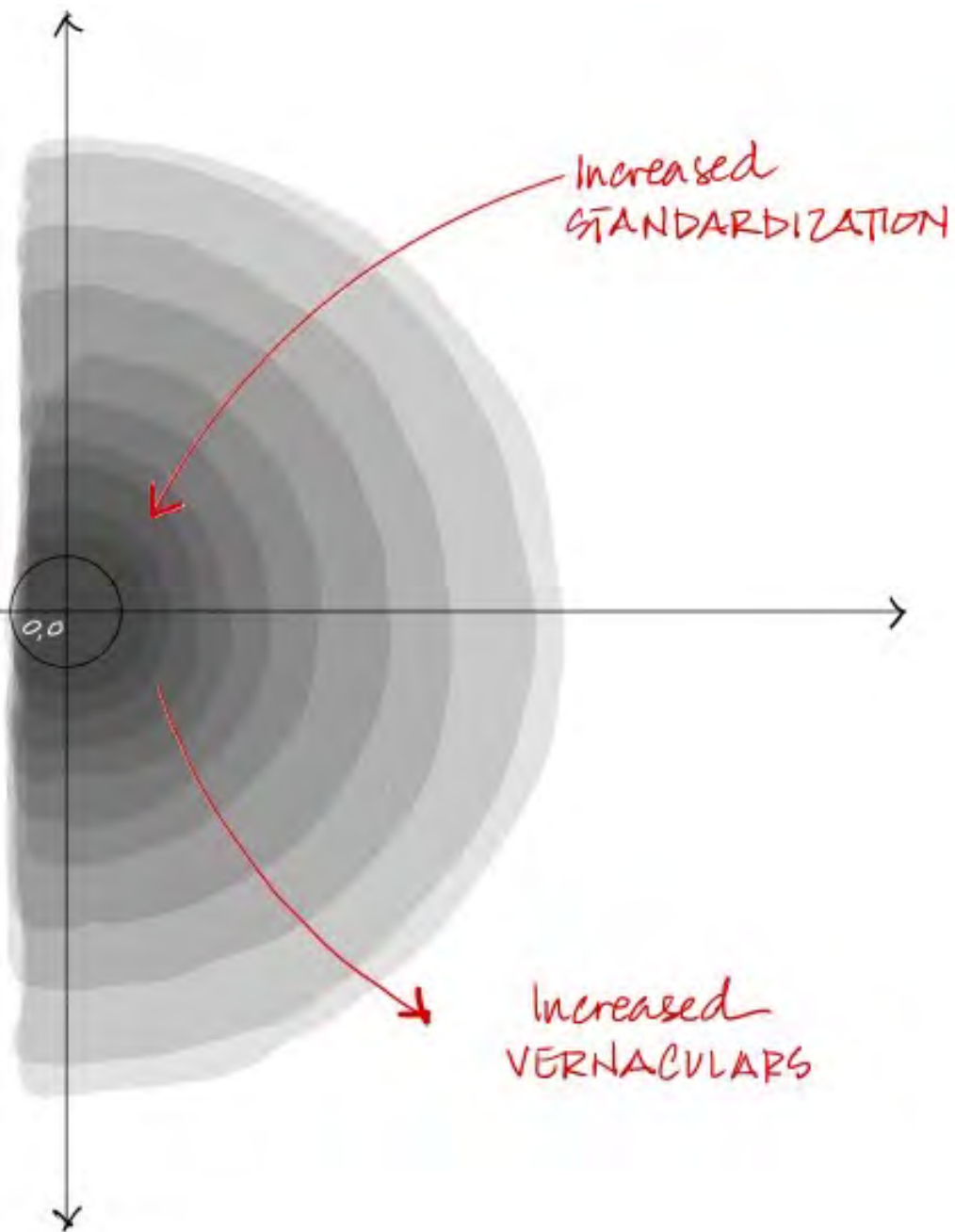


Bernard LIETAER, Christian ARNSPERGER, Sally GOERNER, Stefan BRUNNHUBER
Money and Sustainability: The Missing Link
A Report from the Club of Rome (2012)



Robert ULANOWICZ
Growth and Development: Ecosystems Phenomenology
(Excel Press, 1986)

The degree of order and corresponding magnitudes of robustness for networks of trophic exchanges in a subset of ecological communities.



Towards point 0:

Center
Standardized environments
Model / template

Fungibility

Rules
Density of network
Global
High Tech

Placeless

Frictionless
Non-adaptable
Efficiency

Speed

Homogeneous

High energy production
& consumption
High metabolism

Dominant discourse
"Universal" p.o.v.

Scripted

Allographic

Away from point 0:

Margins (bell hooks)
Vernacular environments
Idiosyncratic

Singularity

Exceptions
Strength of Identity
Local
Adhocism

Situated

Negotiated
Resilient
Translation

Slowness

Diverse

Sustainable energy
production & consumption
Low metabolism

Alternative discourses
"Pluriversal" p.o.v.

Improvised

Autographic

6. De la standardisation

English	Italian
Dollars	Euros
Fahrenheit	Celsius
US Customary Units	Metric
Acres	Hectares
MPH	K/H
Pounds	Kilos
8.5" x 11"	A4
110v	220v
Gallons	Liters
5:30pm	17h30
3 rd floor	2 nd floor
qwerty	azerty

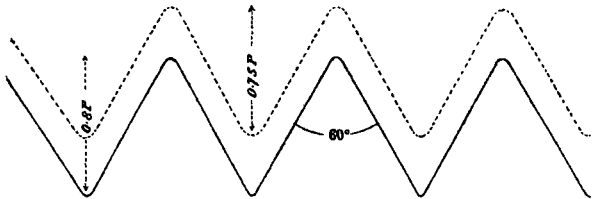


Fig. II. Usual Form of Threads best Workshop practice.



Fig. III. Form of Thread introduced Mr. Whitworth.

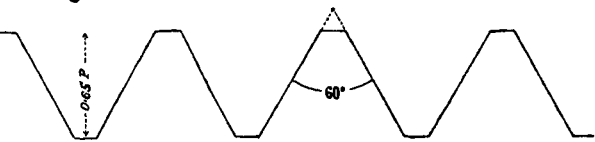
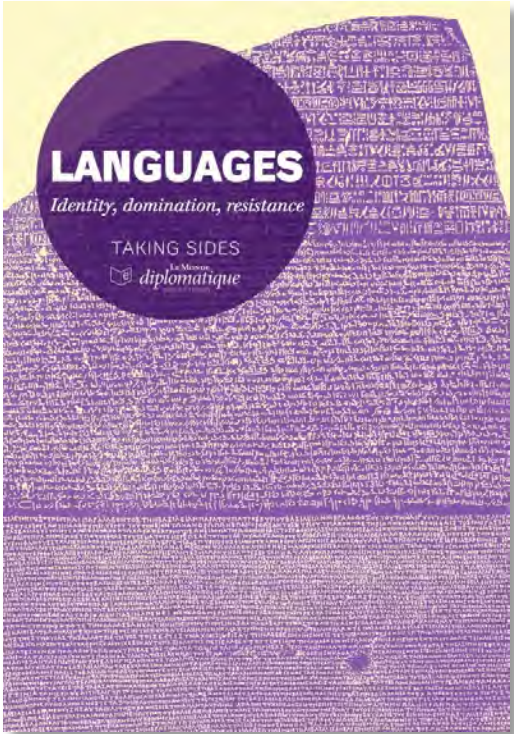
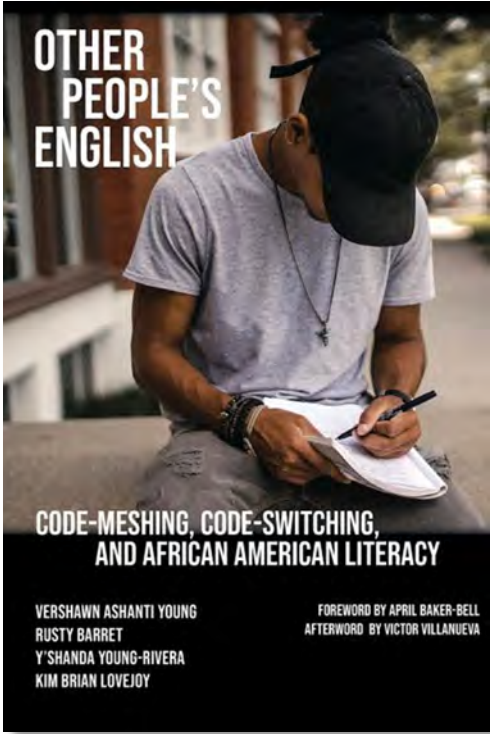


Fig. IV. Form of Thread proposed by Mr. Sellers.

From **Robert BRIGGS**, "A Uniform System of Screw Threads," *Journal of the Franklin Institute*, LXXIX (February 1865), 124.



Taking Sides
Languages: Identity, Domination, Resistance (Le Monde Diplomatique, 2022)



Vershawn ASHANTI YOUNG, Rusty BARRETT, Y'shanda YOUNG-RIVERA
Other People's English: Code-Meshing, Code-Switching, and African American Literacy (2014)



Pierre Charles L'Enfant
Plan of the City of Washington (March 1792)



Claude PERRAULT
Salle Cassini
Observatoire de Paris
 (1667 – 1672)



Paris	London	Washington (British)
Buenos Aires (Spanish)	Santiago (Spanish)	Havana (Spanish)
Cape Town (Dutch/British)	Port-au-Prince (Spanish/French)	Singapore (British)



Singapore



Abu Dhabi



Panama City



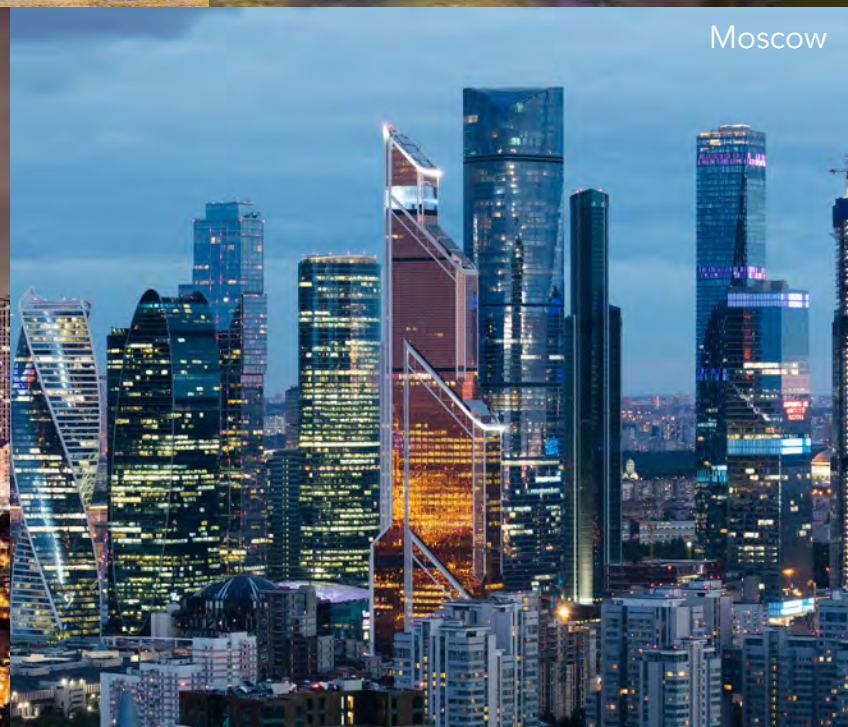
Sydney



Bangkok



Taguig



Moscow



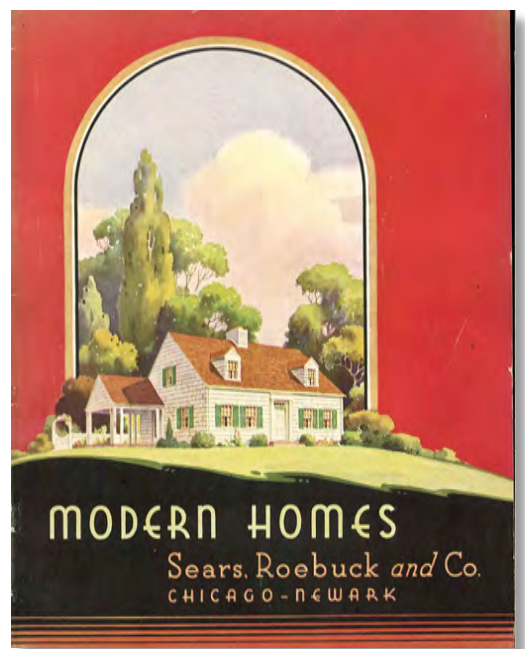


Jenji KOHAN
Weeds (8 Seasons)
 (2005 – 2012)

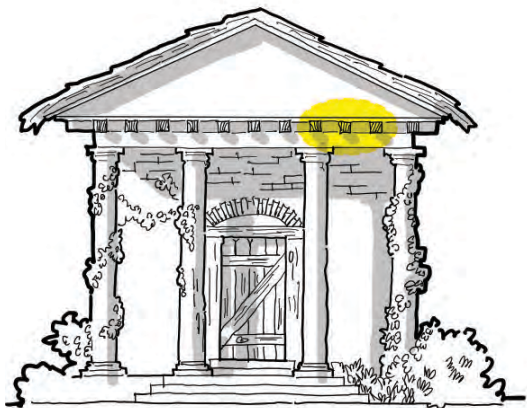
Tim BURTON
Edward Scissorhands
 (1990)

Peter WEIR
Truman Show
 (1998)

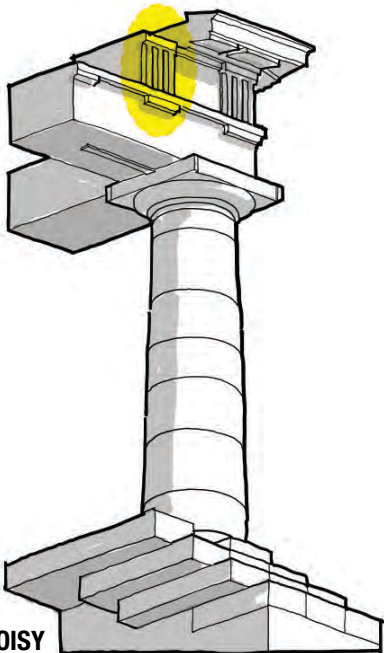
Sears Modern Homes
 Catalogue
 (1908 - 1940)



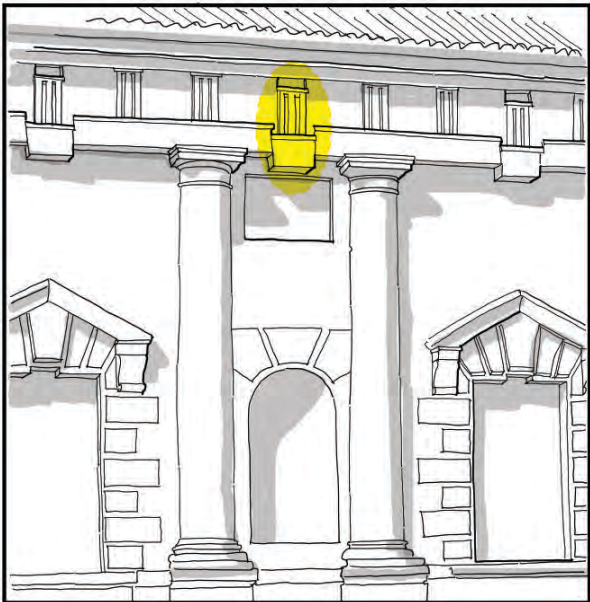
7. De la décompression de l'information



Williams CHAMBERS
Primitive Hut
(c. 1759)



Auguste CHOISY
L'Art de Bâtir Chez Les Romains
(1873)



Giulio ROMANO
Palazzo del Tè
Mantua (1525-1532)

REAL RELATION

proximity /
immediacy

RESEMBLANCE

CODED RELATION

distance /
abstraction

Unconsciously read
Bottom-up authored

NATURE

← index

icon

symbol →

CULTURE

Consciously read
Top-down designed





"Dwelling is an Action Verb: Lessons on Energy Sobriety"
E-Flux / After Comfort: A User's Guide (2025)

8. De la lenteur

Gaïa 🐌🌱🌍

