

DESIGN METHODOLOGY

- ✦ PROGRAM OF SEMESTER COURSE
- ✦ 0. PREFACE - WELCOME - INTRODUCTION
- ✦ 1. WAY OF DESIGN
 - ✦ - COMPONENTS,
 - ✦ - METHODS,
 - ✦ - APPROACH
- ✦ 5. DESIGN FACTORS
- ✦ 6. DESIGN PHASES AND MEMBERS
- ✦ 7. ARCHITECTURE AND THE ARTS
- ✦ 8. SUSTAINABILITY IN ARCHITECTURE
- ✦ 9. DESIGN WITH ARCHITECTURAL MONUMENTS
- ✦ 10. SUMMARY, NEW CONCEPTS OF DESIGN

✦ 1. WAY OF DESIGN

According to the Tao (means “way, path, flow”) philosophy: **balance** and **harmony** together rule the world.



✦ 1. WAY OF DESIGN

According to the Tao (means “way, path, flow”) philosophy: **balance** and **harmony** together rule the world.

Our mission is to understand this harmony and keep it in our creations and in ourself too.



✦ 1. WAY OF DESIGN

In the way of design we can find

- **general** = **impersonal**



BUILDING CODE OF THE CITY OF NEW YORK

Plus Reference Standards and Selected Rules and Regulations of the Department of Buildings

Local Law No. 76 Effective December 6, 1968
Includes Amendments to October 1, 2004

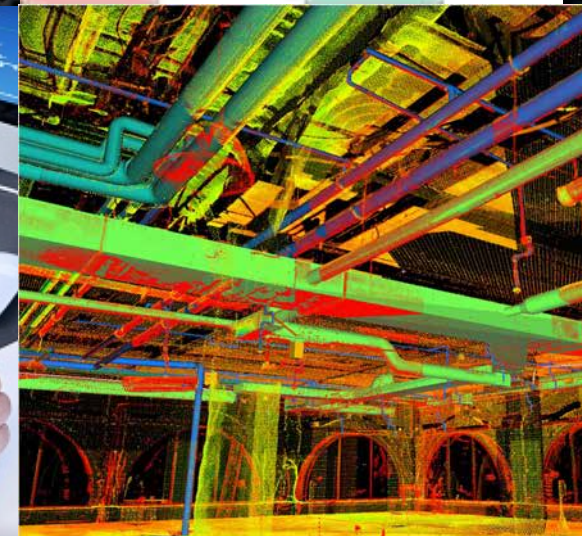
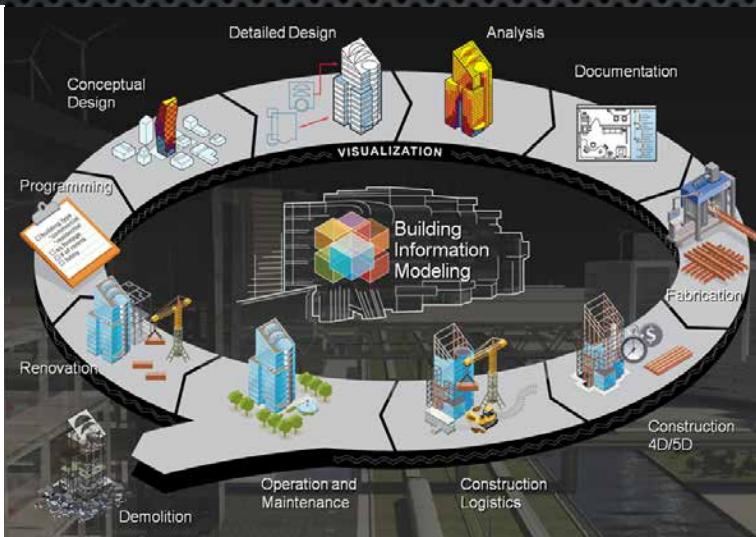
Michael R. Bloomberg
Mayor

Patricia J. Lancaster
Commissioner
Department of Buildings

Martha K. Hirst
Commissioner
Department of Citywide Administrative Services



originally published October 1, 2003
revised through October 1, 2004
Volume 1 of 2



✦ 1. WAY OF DESIGN

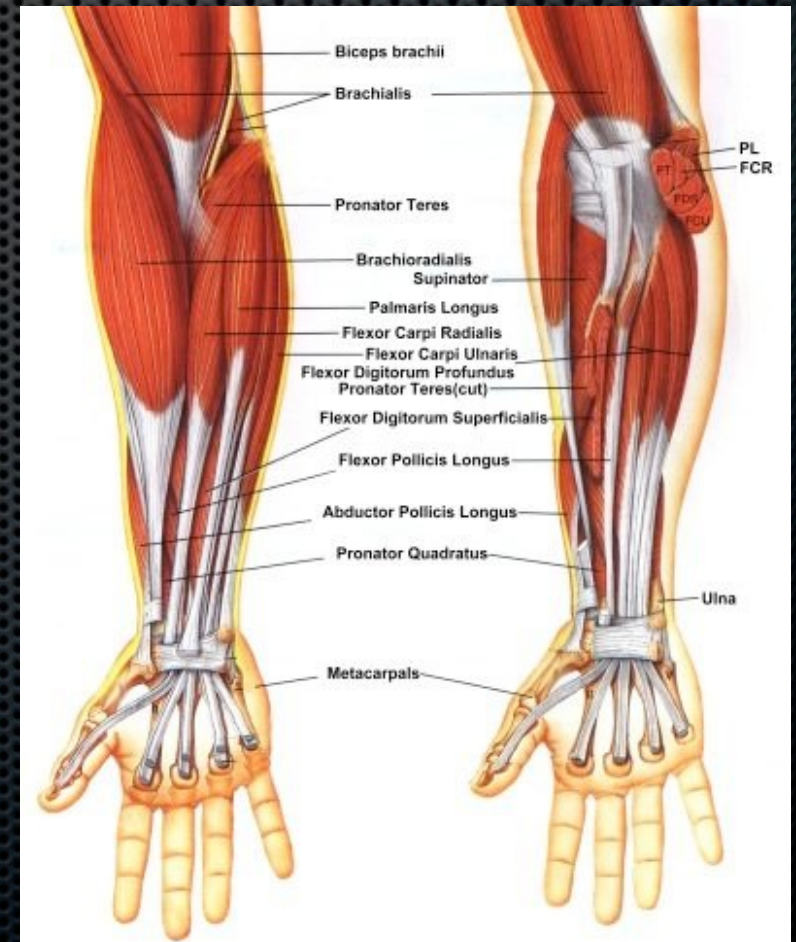
In the way of design we can find

- general = impersonal
- specific = individual elements



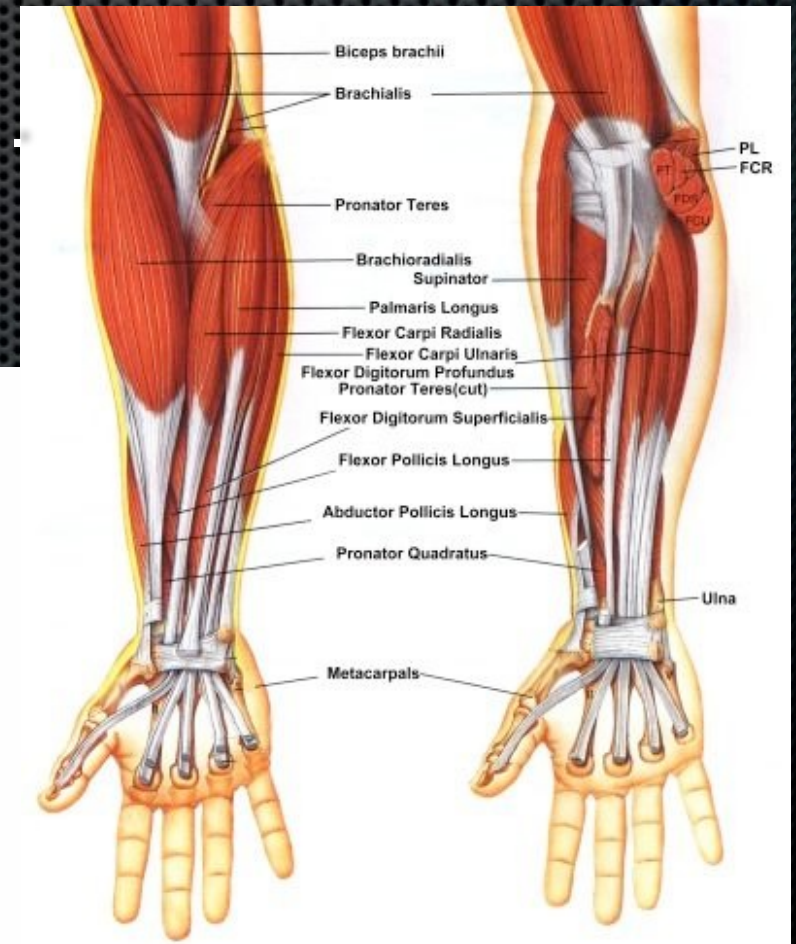
✦ 1. WAY OF DESIGN

We have the same “kits”....



✦ 1. WAY OF DESIGN

but
we all use them different way....



differences
should not polarise...





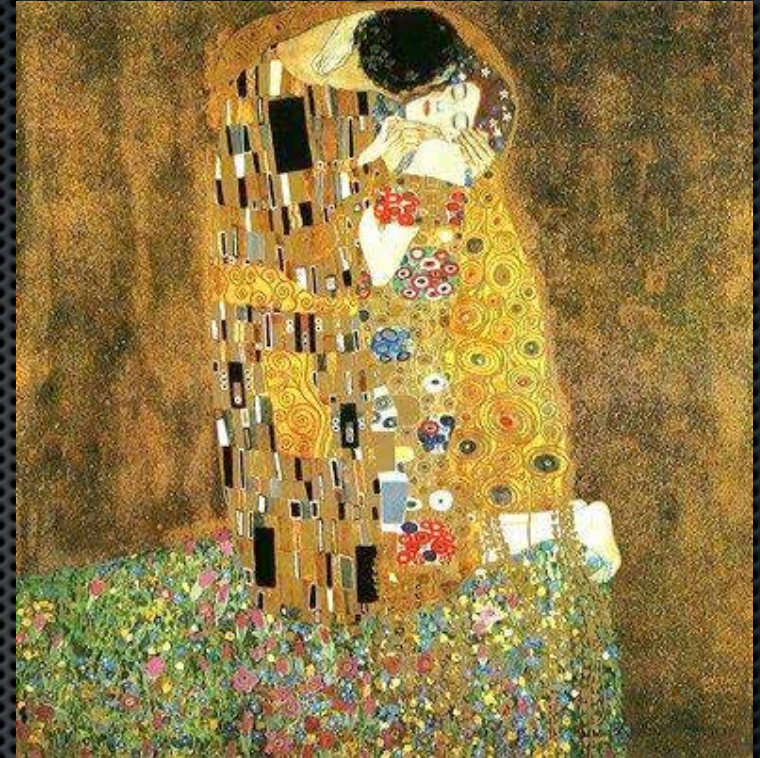
Paulo Ucello (14thC) St George Killing the Dragon



Dragon mascara in New Year, China



differences
should not polarise,
but
complement and match
the world



The Kiss
Gustav KLIMT 1908

- ✦ 1. WAY OF DESIGN
 - ✦ - COMPONENTS,
 - ✦ - METHODS,
 - ✦ - APPROACH

HARMONY



Definitions of **HARMONY**:

Music:

a pleasant musical sound made by different notes being played or sung at the same time

General:

a situation in which people are peaceful and agree with each other, or when things seem right or suitable together



Garden of Eden
Jan Brueghel the Elder

If the new array suits to the **environment** and **culture**, then the new creature is harmonic and will be merged into the original system:

- it has to conform to the world - to the **environment**
- to the **culture**

in order of

HARMONY



Definition of **environment**:

“Someone's environment is all the circumstances, people, things, and events around them that influence their life.” (Collins Dictionary)

Something's environment is all the living and physical circumstances, that may interact with it.

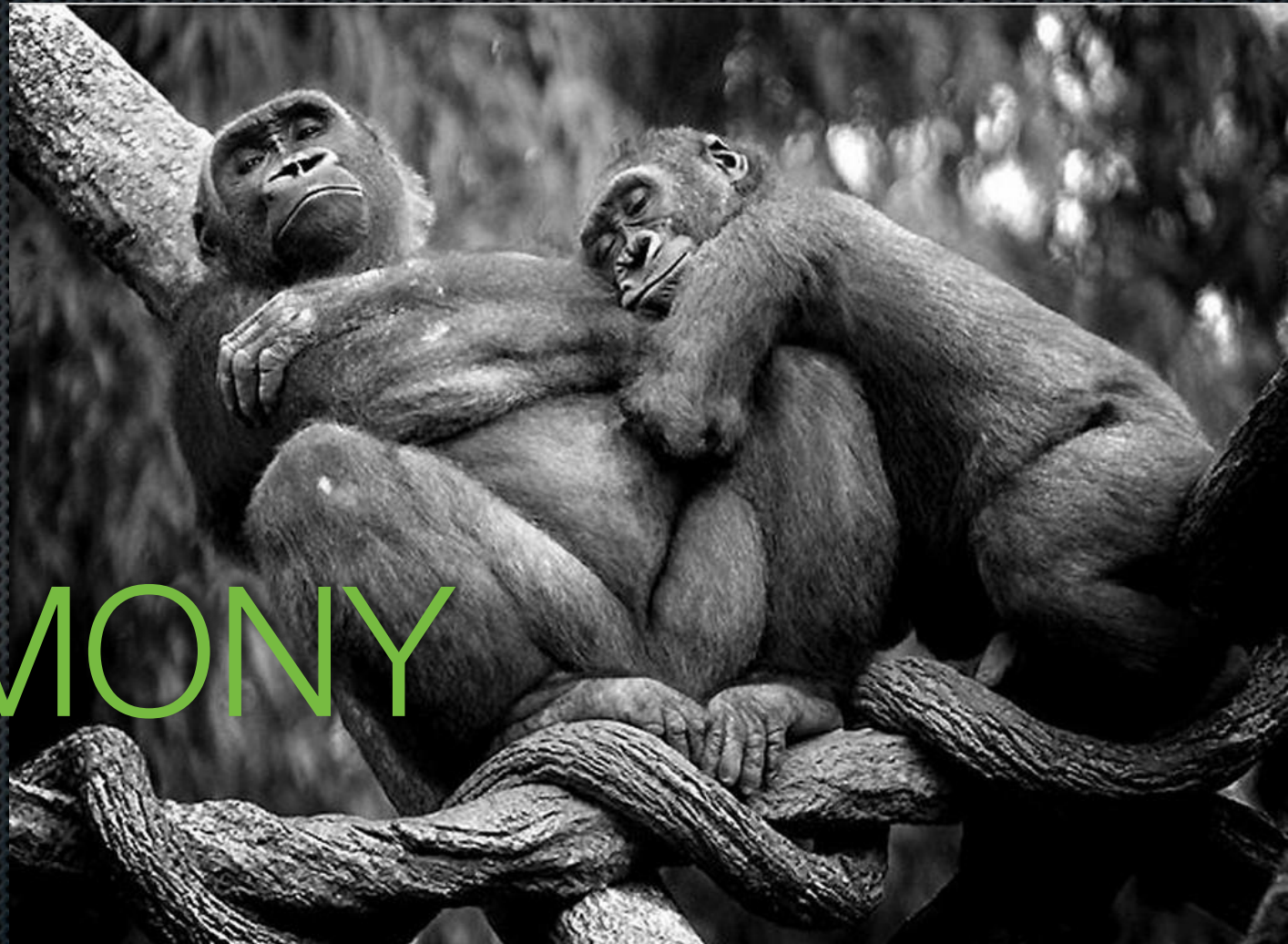
Definition of **culture**

“the total of the inherited ideas, beliefs, values, and knowledge, which constitute the shared bases of social action” (Collins Dictionary_British)

“cultivation of the soil” (Collins Dictionary_American...)

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HARMONY

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Residence, Spain
Carlos QUINTÁNS EIRAS



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HARMONY



Town Hall, Murcia
Spain, Rafael MONEO

If the new array suits to the environment and **culture**, then the new creature is harmonic and will be merged into the original system:

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- if it is not conform, then the **environment** will eject it -



Bunkers of
Atlantic Wall 1944.

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YUOMYAH



not conform
=
ejected



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Destruction of Stalin sculpture
Budapest 1956

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Demolition of former hospital
Great Lakes, USA

If the new array suits to the environment, then the new creature is harmonic and will be merged into the original system:

- it has to conform to the world - to the environment
- if it is not conform, then the environment will eject it
- if it is conform, then it will remain a part of the world
- the better it conforms, the longer will remain a part of the world
- the essence of competence is the

HARMONY



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HARMONY

Conditions of competence:

- it must have harmony to the world
- it must be harmonic itself



To achieve

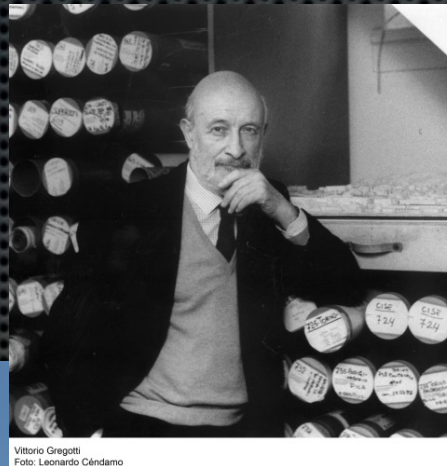
HARMONY

- we have to know the world - the environment
- we have to be able to create harmony in the object

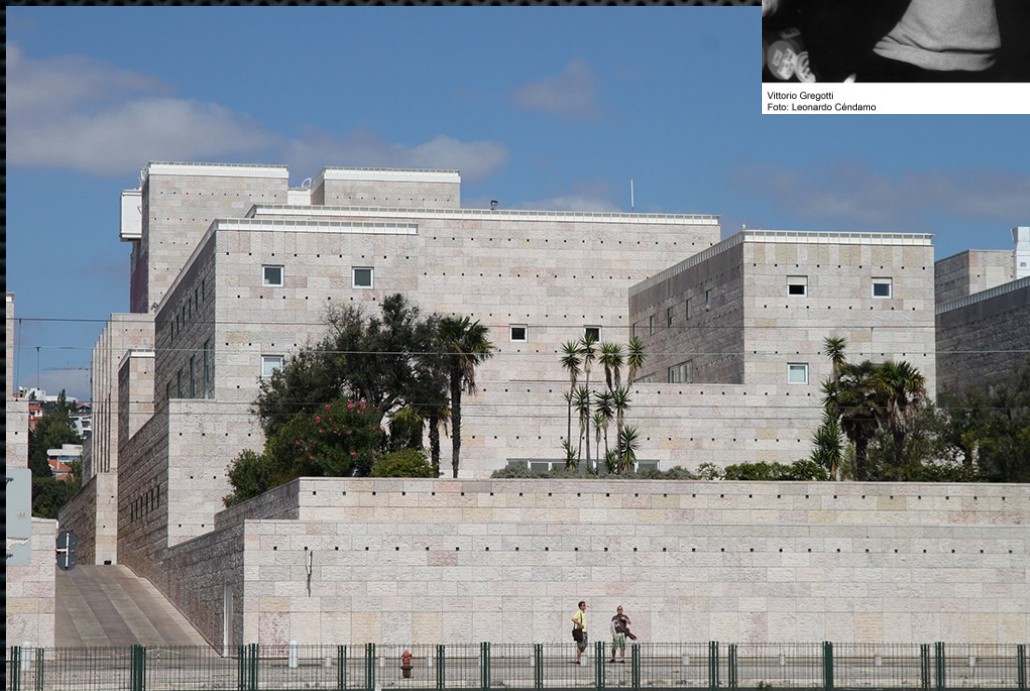


"The worst enemy of modern architecture is the idea of space considered solely in terms of its economic and technical exigencies indifferent to the idea of the site."

Vittorio GREGOTTI



Vittorio Gregotti
Foto: Leonardo Cándamo



Centro Cultural de Belem, Lisbon 1992.



HARMONY



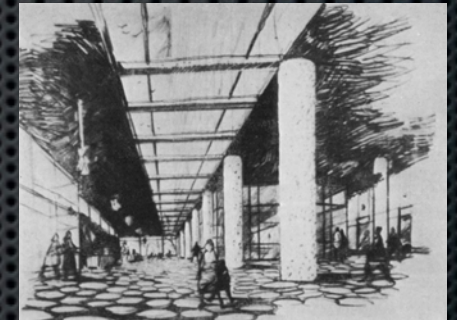
Imre MAKOVECZ



Peter ZUMTHOR



Carlo SCARPA



Zoltán FARKASDY



Zaha HADID



Le CORBUSIER



Rafael MONEO



Alvar AALTO



HARMONY



spirit		material	
components	art emotion	science ratio - sense	- works of Santiago Calatrava - Fallingwater House
methods	analogy intuition	analytics conclusions	- Sidney Opera - works of Michelangelo
approach	subjectivity universality global the whole	objectivity specialization local a part	- works of Frank Gehry - works of Alvar Aalto - works of Carlo Scarpa
harmonic cooperation			



Dichotomic collection of elements of design

HARMONY

spirit

material



HARMONY



Greek temple
Segesta, Sicily, 420 BC

HARMONY



spirit

material



HARMONY



spirit

material

Hagia Sophia
Constantinople, 537



spirit

material

Mezquita
Cordoba, Spain 784

HARMONY



spirit

material

Khan El Khalili
Cairo 14th C

HARMONY

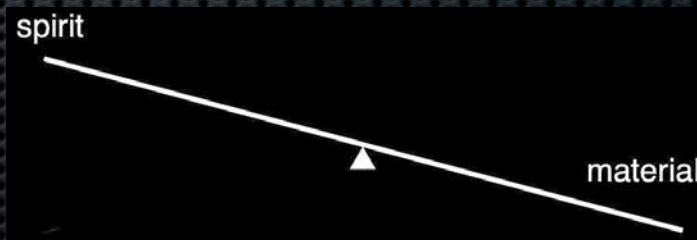
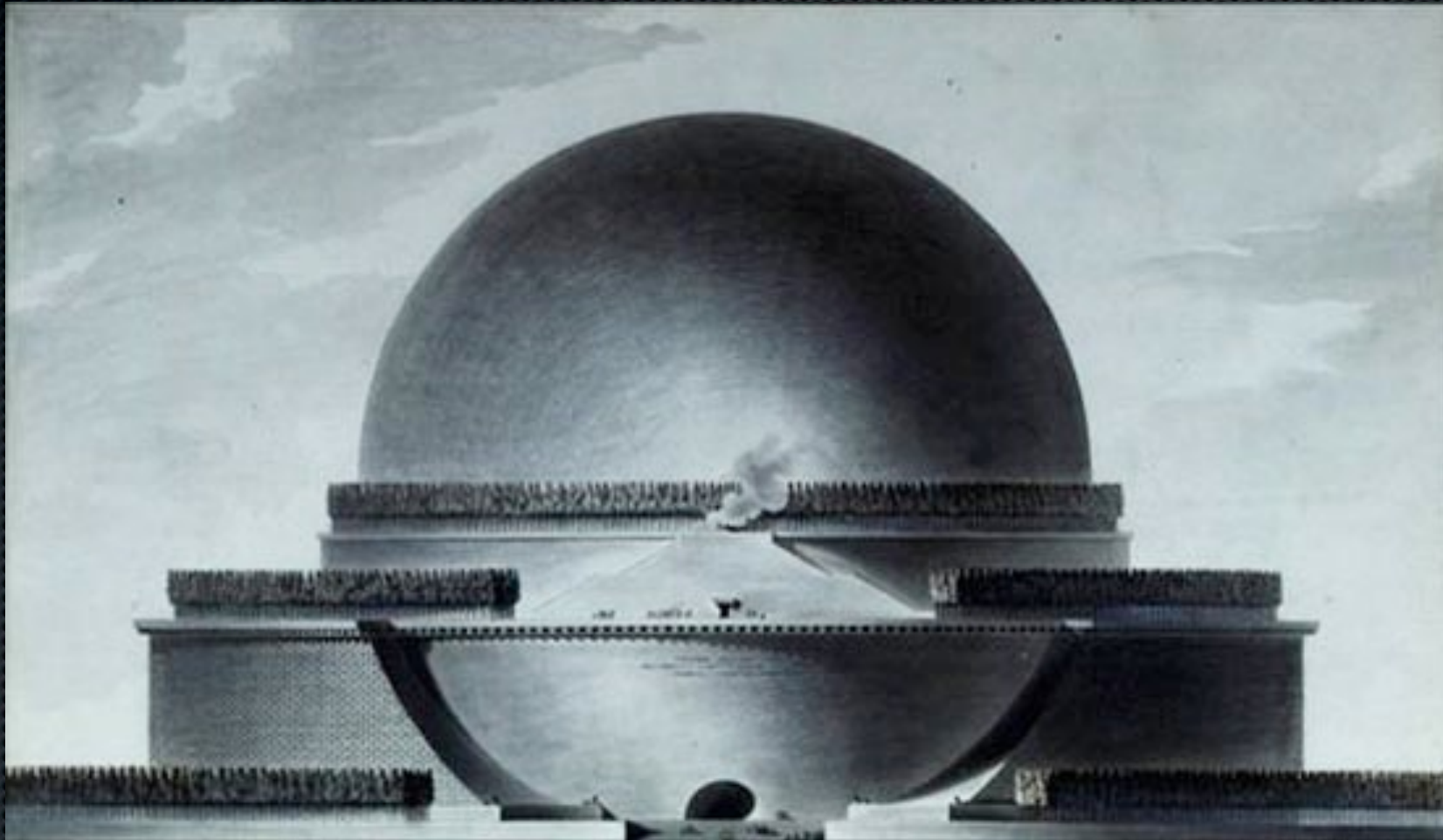


spirit

material

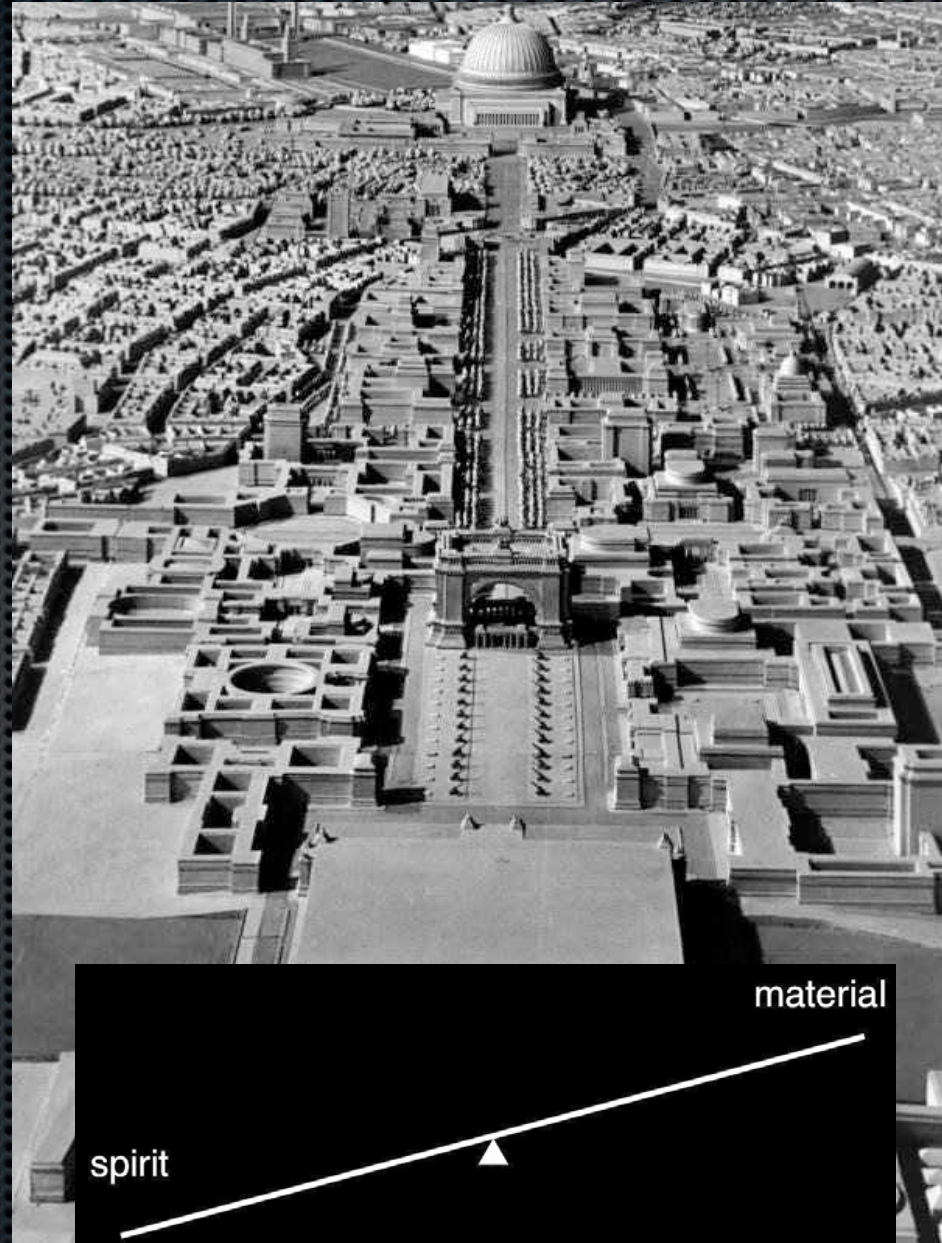
Eiffel Tower
Paris 1887-89

УИОМЯНН



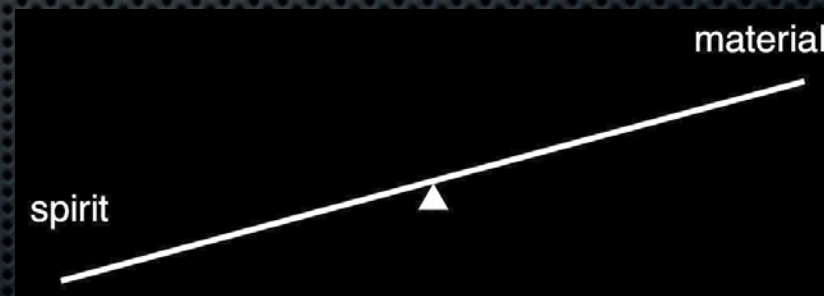
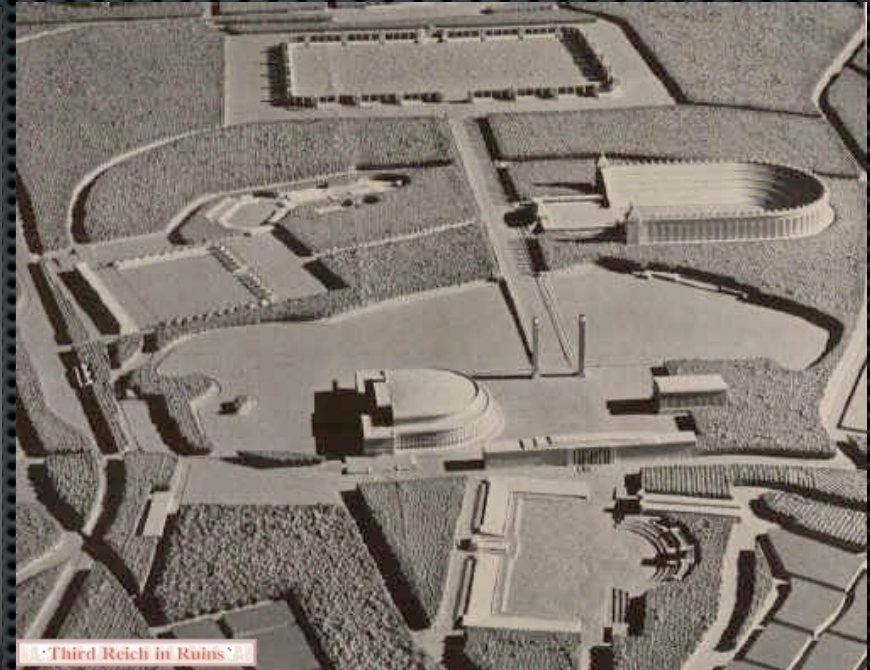
P. Boullée
Cenotaph Newton

HARMONY

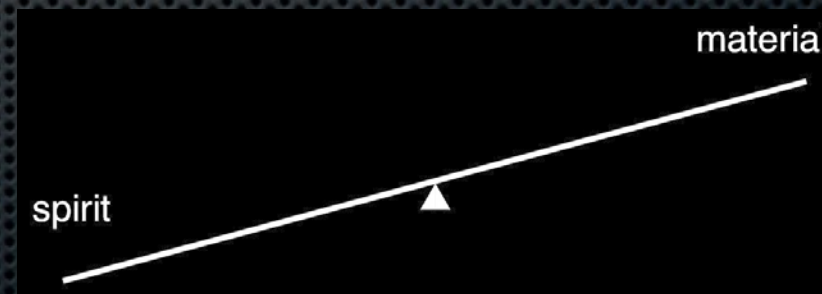
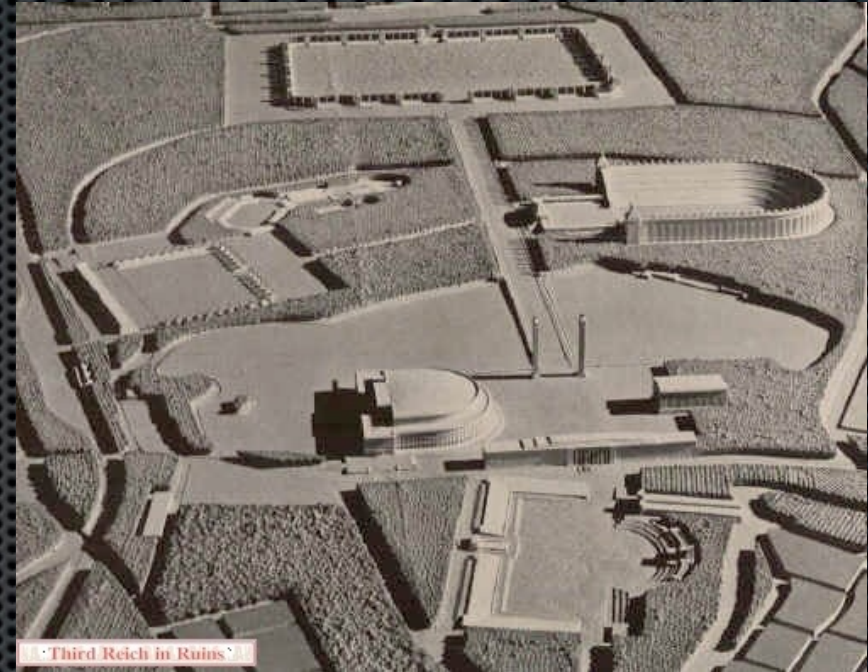


Albert Speer
Plan of Nazi Berlin

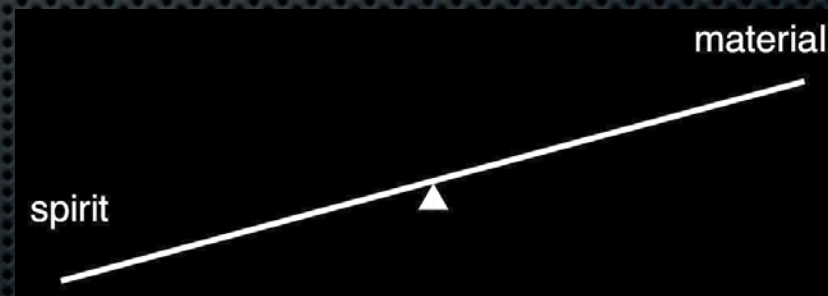
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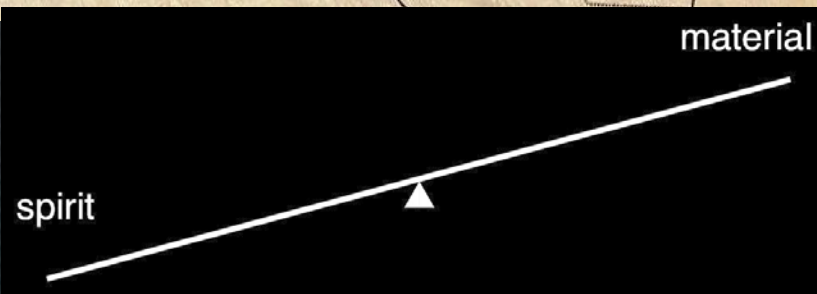
УИОМЯНН



YUOMYAH



YUOMYAH



Dubai
U.A.E.

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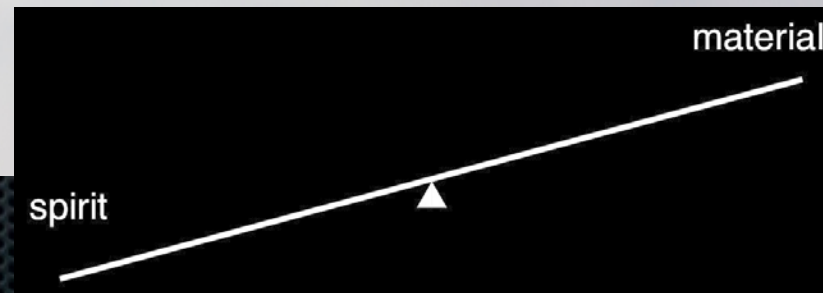
Dubai
U.A.E.

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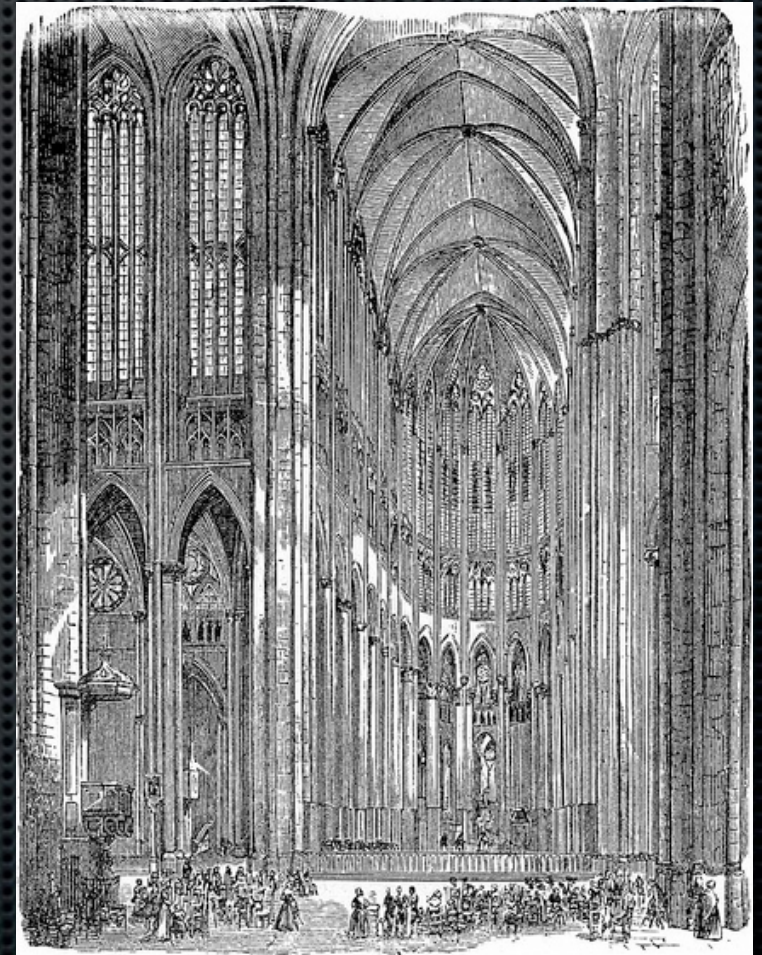
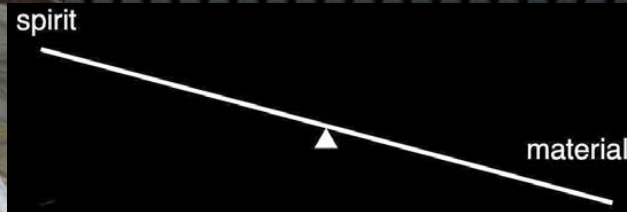
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YUJOMYAH



S. Pierre Cathedral
Beauvais, France 13th C

HARMONY

Arguments for spirit:

- live
- love
- faith (belief)
- thirst

Arguments for material:

- economical
- durable
- stable
- controllable
- logical





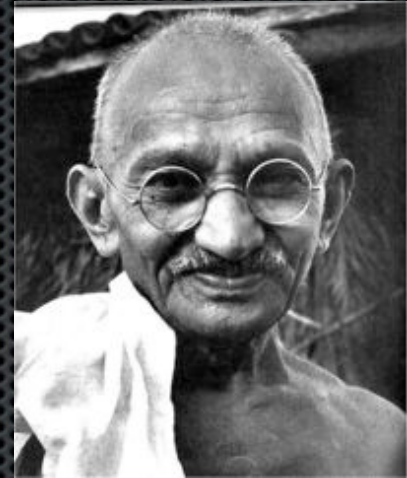
LOUIS KAHN



ARCHIQUOTE

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Quote for today:



“Always aim at complete harmony of thought and word and deed. Always aim at purifying your thoughts and everything will be well.”

Mahatma Gandhi