

FEDERICO FEDERICI

NOTIONS

(about the object under investigation)



[workbook of the universe]



[talk on YouTube]

<http://federicofederici.net>

[it] can be partitioned into finitely many parts to be shifted by a rigid motion and reassembled into an object whose extensive properties are the same as the original one

the value of any quantity is measurable, at any time and to an arbitrary accuracy, without significantly influencing the original state of the system

both approaches fail to hold

geometrical entities consist of an uncountable number of null sets [points] – infinity does not compensate for zero

a measurement is both an operational procedure about the observable and a phenomenon in itself, subject to the same laws it investigates

a not negligible interaction is established between the measuring apparatus and the investigated system

the act of measurement determines the value of the

observable

transition

from possible to actual

[what] the writer and the reader interact with does not require shifts, nor transitional signs

signification rests on a presemantic underpinning of some sort in the writing | reading process

words consist of an arbitrary number of unstable subsets [signs] – signification does not compensate for the temporary | seeming meaninglessness

a word is both a procedure defining the object it points to and a phenomenon in itself, subject to the same laws it investigates

writing does not reveal some pre-existing value of the written word: how the particular outcome of signification is brought into being is inherently

unknowable

transition

from sign to word



LUNAR PHASES

*Aug 12
1968*



*Aug 13
1968*

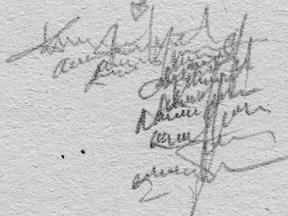
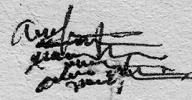


*Aug 14
1968*



*Aug 15
1968*

*Aug 16
1968*



the moon is demonstrably not there when nobody looks
nobody demonstrably looks when the moon is not there
nobody demonstrably looks there when the moon is not

[permutations after N. D. Mermin]

how does the whole land geographically relate to the landscape?

the text is demonstrably not there when nobody reads
nobody demonstrably reads when the text is not there
nobody demonstrably reads there when the text is not

how does the whole language metrically relate to the text?

is what the writer sees [what the reader attempts to] the lithic essence of the text? a long-standing enlightenment?

the ink of
the ink dots [instances of the untranslatable]
do[n't]t
get absorbed in

the result [cause] of writing [the word]
the result of erasing [the thing the word is]
the result of erasing writing [the thing]
the mark made by it [the word the thing is]

[observable] a priori entity of empirical observation [word] a priori entity of readable signification • negligible subset of

[word] a priori entity of readable signification • negligible subset of readable signs • degree of freedom of the text, related to its transformation across languages, that manifests itself, under certain circumstances, in a particular kind of writing



1 FLOWCHART

a/23
(of a pensive linotype)

ON

the outlines
you see in the
text in the
laws of it

build
the idea of
the word of
the sensed
existence
of the opaque
indeterminacy
of its
signification

void

mono
spaced
and

here you see
the complete
process of
designs

A2

B4

C1

Z1

A3

C5

E4

D3

9Y

5A

b

f

g

A3

n2

b

J

u

11

16

t

r

e

i

l

a

m

h

3

6

OFF

15

"

15

"

15

15

set

r e d

r e d

various
species
of
surfaces

black

damp
wet

blank
(dry)

[hidden signs theorem] text-objects
[possess properties that] exceed
reading

the reading process establishes an unstable interaction with their state

[sufficient criterion of reality] an element of reality exists if the corresponding value of a physical quantity can with certainty be predicted without disturbing the system, the latter being in an eigenstate of the observable associated with that value

[alleged] indeterminacy of a grid of removed signification: some metrics is always implied

[minimal requirement | calibration condition] whenever the system is in an eigenstate, the apparatus indicates the corresponding eigenvalue after the interaction has ceased

the hesitation to keep the levels of reality intact
the distance to imagine a completer awareness
between what is read[able] and what is real

a real measurement should point to [readable] words | [mutually] dischargeable pointers a definite position

h / nihil in mundo nisi prius in verbo

regardless of how one defines spaced dots such particles discrete, not oriented elements of writing have been used as breaks, pores, patterns of mutations in the sense of the text as a work of motion (can the text be more than a configuration of words if the intuition of an underlying reality is lacking?)

language and space exists and a reality of words

certain parts of the text may get erased, a calculated blank which distinguishes them from the rest of the composition - a sort of antimatter text-object which the text-object cannot live without (language is a chance

an unwanted one the declaration of nothingness useless to give this experience value

(light-years) an equal amount of

1a.	2,953,000,000
2	2,000,000,000
3	1,645,000,000
4	1,672,000,000
5	1,665,000,000
6	1,514,000,000
7	1,287,000,000
8a.	1,134,000,000
8b.	1,110,000,000
8c.	1,087,000,000
9a.	845,000,000
9b.	840,000,000
9c.	887,000,000
10a.	700,000,000
10b.	725,000,000
10c.	670,000,000
11a.	634,000,000
11b.	556,000,000
11c.	523,000,000
12a.	440,000,000
12b.	413,000,000

which the end of the page is not the end of

(The Giant Nothing)

the Pegasus Void

the Pillars of Hercules

(to peer into the cones of the dark)

[objectification problem
collapse problem

in the text-environment]

IF{
an observable has no definite value,
the object-plus-apparatus is in an
entangled state}

|eigen- | g e g e n | e n t a n g l e d|

IF{
an account of the measuring pro-
cess is required for semantic com-
pleteness, the system is semantically
inconsistent}

[what means for an observable to
have a definite value]

the tension between the collapse
process [random event] and the de-
terministic dynamics of

a closed system

a measurement scheme that leaves
the state of the object unchanged
defines a trivial observable whose
measure probability is independent
of the state itself

the notion of instrument describes
the state changes that follow an act
of measurement

neither a mere spectator • nor indeed a character

no information gain without some
disturbance

to measure is to disturb
the object-system

a configuration of signs | words ex-
ists characterized by some recognis-
able signification • a spike triggers its
collapse • a wave of signification Ψ
attempts to constrain the dynamic}

it sets and retains the signification
field wherein the word-sign duality
manifests itself • it is both the outer
frame and the inner law}

other signs | words • strata of fos-
silated languages surface

the method translates semantic colli-
sions into [semi]-structured domains
of heterogeneous signs
[open text-environment]

a writing scheme that leaves the
state of signification of the signs un-
changed defines a trivial text-object
whose likely signification is inde-
pendent of the state itself

the notion of reader describes the
signification changes that follow an
act of writing

neither a mere spectator • nor indeed a character

to write is to disturb text-objects

not to reify an idealised notion of it