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

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

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

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

both approaches fail to hold

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

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

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

a word is both a procedure defining the object it points to 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

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

<u>observable</u>
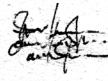
<u>unknowable</u>

transition

from possible to actual

transition

from sign to word

LUNAR PHASES

on   n

m   mo   moo

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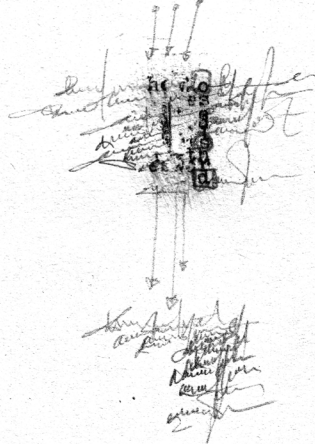
the moon is demonstrably not there when nobody looks
nobody demonstrably looks when the moon is not there
nobody demonstrably looks there when the moon is not

[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 lan-gauge 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?

th ink of
the ink   dots   [instances of the untranslatable]
                   do[n']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 em-   [word] a priori entity of readable
pirical observation   signification • negligeable subset of
                                          readable signs • degree of freedom
                                          of the text, related to its transforma-
                                          tion across languages, that manifests
                                          itself, under certain circumstances,
                                          in a particular kind of writing

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O N

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

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

term
1

term
2

A
set

the word
performs
the thing

r e d

wor   it   drie   ink   r e d.
d   th   impr
wor   essi   on   various
on   species
of
void   mono   surfaces   black
spaced
and   black

here you see   damp
the complete   wet
process of
design   blank
(dry)

A6 B4 C1 Z3 A6   C7 E4 D   9Y 5A
f   g A3 n2   b   u 16
r   e1, 33 k

OFF

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

the reading process establishes an unstable interaction with their state

```
 "  "   "  "    ""  "      "  ""
 "       "  "       "  ""   ""
 "  "   "  "      ""     "  "
 ""     "  "   "  "            "
 "  ""  ""   ""  "  "  ""   "  "
 ""  ""    "   "  ""  ""
```

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

[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

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

```
"/muːn/"   "/muːn/"    "/muːn/"
"/muːn/"    "/muːn/"   "/muːn/"
"/muːn/" "/muːn/"      "/muːn/"
"/muːn/"    "/muːn/"   "/muːn/"
"/muːn/" "/muːn/"      "/muːn/"
"/muːn/""/muːn/""      "/muːn/"
"/muːn/"    "/muːn/"   "/muːn/"
"/muːn/"    "/muːn/"   "/muːn/"
"/muːn/"    "/muːn/" "/muːn/"
"moon"
```

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

a real measurement should point to a definite position

[readable] words | [mutually] dischargeable pointers

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? - a reality
                                of things
l ang uage   exists and
and scape   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
the text-object cannot live without
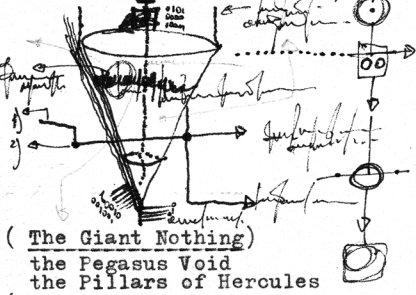(language is a chance
an unwanted one
the declaration of not hing ness
useless to give   this experience
                        value!

(light-years)   an equal amount of
                        nerves
2,953,000,000   neurons
2,000,000,000   neutrons
1,842,000,000   nearest
1,665,000,000   known black
1,514,000,000   holes pores
1,287,000,000   cells nebulae
1,134,000,000   open clusters
1,110,000,000   galaxy filaments
1,007,000,000   fingers VOIDS
945,000,000
942,000,000   which
890,000,000   the end of the page
887,000,000   is not the end of
880,000,000
756,000,000
725,000,000
670,000,000
634,000,000
556,000,000
523,000,000
440,000,000
413,000,000
· · · · · · · · ·   (The Giant Nothing)
                     the Pegasus Void
                     the Pillars of Hercules
                     (to peer into the cones of the dark

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[objectification problem
 collapse problem   in the text-environment]

IF{ a configuration of signs | words ex-
an observable has no definite value,   ists characterized by some recognis-
the object-plus-apparatus is in an   able signification • a spike triggers its
entangled state}   collapse • a wave of signification Ψ
                                        attempts to constrain the dynamic}
|eigen−|gegen|entangled|

IF{ it sets and retains the signification
an account of the measuring pro-   field wherein the word-sign duality
cess is required for semantic com-   manifests itself • it is both the outer
pleteness, the system is semantically   frame and the inner law}
inconsistent}
                                        other signs | words • strata of fos-
[what means for an observable to   silated languages surface
have a definite value]

the tension between the collapse   the method translates semantic colli-
process [random event] and the de-   sions into [semi]-structured domains
terministic dynamics of   of heterogeneous signs
                a closed system   [open text-environment]

a measurement scheme that leaves   a writing scheme that leaves the
the state of the object unchanged   state of signification of the signs un-
defines a trivial observable whose   changed defines a trivial text-object
measure probability is independent   whose likely signification is inde-
of the state itself   pendent of the state itself

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

          neither a mere spectator • nor indeed a character

no information gain without some   to write is to disturb text-objects
disturbance
to measure is to disturb   not to reify an idealised notion of it
                the object-system