Re:SENSTER: a script to design path

Artworks of the Digital Era in Galleries and Museums
Vašulka Kitchen Brno, 22.-23.10.2019
How to estimate a distance between the subsequent versions?
#1 SENSTER _history of the return
cybernetic art
of
Edward Ihnatowicz
09.1970 in Eindhoven
1970

Prototype computer

analogue / digital converters

linear position sensors

pistons

servo valves

Doppler radars

microphones

oil filters

hydraulic pump

P9201

Prototype computer
#2 on the method
design ----------------- performance
subsystems

design

performance
subsystems

design

performance

skeleton
pistons
wiring
control unit
source code
microcontrollers
sensors
....
---

subsystems

----------

- design
- performance

----------

- skeleton
- pistons
- wiring
- control unit
- sensors
- source code
- ...

---
subsystems

---

design

performance
design-----------------script---------------------performance

the formula
the materials
the scale
the shape
the software
the movements
design
script
performance
system requirements
materials
techniques
shape
scale
software
action patterns
design ----------------- script --------------------- performance

system requirements

materials techniques scale shape software action patterns

physics of the system / mass, pressure, currents, voltage etc. processing speed memory size/type bitword length sensors characteristics
contra: lack of evidence / some pieces might be claimed as genuine design items


contra: lack of evidence
focus on requirements engineering rather than on materiality of the piece
design \hspace{1cm} \textbf{script} \hspace{1cm} \textit{performance}

*pro: notation based method*

*N. Goodman (1968), Languages of art: An approach to a theory of symbols, Indianapolis: Hackett Publishing*
pro: assessment of distance between the original and a restored version
pro: assessment of distance between the original and a restored version
restoration risk management
acknowledgements
marek długosz / sonia milewska / jacek żakowski / marek chołoniewski grzegorz biliński rafał bieszczad / kamil sikora
thank you
J. Walewska, Portret artysty jako inżyniera. Twórczość Edwarda Ihnatowicza, Toruń UMK 2016

Olszewska et al., Senster: dzienniki, 2016- [www.senster.agh.edu.pl]

A. Zivanovic, S. Boyd Davis, Elegant motion: The Senster and other cybernetic sculptures by Edward Ihnatowicz, Kybernetes, Vol. 40: 1/2, s.47-62


2014 - 2019_ Re: SENSTER reactivation project at the AGH University of Science and Technology, Krakow (PL)