New Archives: Digital Forensics and Programmatic Methods in Digital Design History

// ANDREW WITT // HARVARD GSD // CERTAIN MEASURES
Source Code as Historical Document
(defun c:hub1 ()
  ;; set up parameters
  (setq dpl 0.062)
  (setq bl1 0.13)
  (setq bl2 0.06)
  (setq w1 0.129)
  (setq w2 0.031)
  (setq lpl 0.050)
  (setq d1 0.10)
  (setq s1 0.047)
  (setq ch1 0.04)
  (setq ch2 0.210)
  (setq rsc 0.0775)
  (setq scd 0.089)
  (setq rot 0.125)
)

;; get lines
(command "get" "K" \r)
(command "get" "B" \r)
(command "get" "L" \r)
(command "get" "D" \r)

(command (setq (assoc '10 ln1))
  (printl "select first line: ")
  (setq ln1 (entget (ssname sset 0))

  (setq p01 (cdr (assoc '10 ln1))
  (setq p1 (cdr (assoc '11 ln1))
  (printl "select second line: ")

  (setq p02 (cdr (assoc '10 ln1))
  (setq p2 (cdr (assoc '11 ln1))
  (printl "select third line: ")

  (setq p03 (cdr (assoc '10 ln1))
  (setq p3 (cdr (assoc '11 ln1))
  (printl "select fourth line: ")

  (setq p04 (cdr (assoc '10 ln1))
  (setq p4 (cdr (assoc '11 ln1))

;; station #1
(command "get" "K" \r)
(command "get" "B" \r)
(command "get" "L" \r)
(command "get" "D" \r)

(setq pt (list (distance p01 p1) 0 0))
(command "get" "K" \r)
(command "get" "B" \r)
(command "get" "L" \r)
(command "get" "D" \r)

(setq s11 (list (- s11 w2 0))
(setq s12 (list (+ s12 w2 w1) 0))
(setq s13 (list (list s12 (+ w2 w1) 3))
(setq s14 (list s12 w2 0))
(command "line" s14 s13 \r)
(setq sscet (assoc '10 ln1))
(setq ln1 (entget (ssname sset 0)))
(setq s14 (cdr (assoc '10 ln1))
(setq s14 w (cdr (assoc '10 ln1))
(setq ln1 (entget (ssname sset 0)))
(setq rot 0.125)

DESIGN

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Mark Goulthorpe Hyposurface project records, Canadian Centre for Architecture, Gift of Mark Goulthorpe
Digital Forensics
Revit file’s ID timeline

Negative IDs  
Revit workspace initialization  
User defined IDs

Moments of Hesitation

Deleted Elements
Surviving Elements
Villa Savoye Axonometric Time-lapse, 2015, Drawing Series D.
Materials: Graph Paper (8x8 quadrille), 0.1 Micron Pen.
Each drawing is 3" x 20" strips.
Time-lapse Mesh Operations of 3D Architectural Files, 2016, Series A.

Tools: Objet 500 3D printer, custom Processing script, sandpaper, DuPont compound.

Materials: Tango Black and Tango Clear resin.

Dimensions: Eight 1" x 1" x 3" Objet 500 3D prints.

01 Taj Mahal
02 Hagia Sophia
03 Building I
04 House I
05 House II
06 House III
07 Building II
08 Teatro del Mundo

Time-lapse Mesh Operations of Assorted 3D Files, 2014, Series B.

Tools: Object 500 3D printer, custom Processing script, sandpaper, buffing compound.


Dimensions: Eight 1" x 1" x 2" Object 500 3D prints.

09 ISO Container
10 Propane tank
11 Forklift
12 Cricket Helmet
13 Citroen 2CV
14 April
15 Alarm Clock
16 Lemon Squeezer

Alfred Yarbus, Saccadic Patterns.
AI Archival Agents
Machine Vision applied to building facade classification
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