

Topics in Computer Application Design
ARCH 5064 | ARCH 4164 | Spring 2015
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announcements

- # grasshopper sign-up
- # dropbox sign-up
- # enrollment wrap up
- # assignment to be emailed

discussions

- # tutorials?
- # Beyond the Algorithm reading

exercises

- # interface
 - # dragging vs. double click
 - # how to view grasshopper: text vs. image
 - # connecting components: wires
 - # hover : right click : middle click
- # example 0 - bridge
- # example 1 - data matching
- # example 2 - scalar/ operational components
- # example 3 - range, series, and intervals
- # example 4 - functions: spiral
- # example 5 - vectors/ attractor points
- # example 6 - 3d attractor

best practices

- # text sliders
- # note everything with panels
- # green vs. red - turn preview off
- # data is copied from left to right, not moved
- # always hover over everything
- # save and export high-res images
- # lists start at 0

assignments due 2.9.2015 @ 7:00 PM

- # completed list of tutorials (8 digital toolbox, 3 Ball State)
- # landscape 8.5" x 11"
 - # screenshot of definition/rhino and tutorial
 - # brief notes of main point learned
- # save as FirstInitial_LastName_Assignment02_tutorialname.pdf
- # 11 pdf's
- # 1 image of parametric design that inspires you
- # 1 pdf

resources

<http://tutorials.gsapp.org/course/1075>
<http://www.liftarchitects.com/blog/2009/3/25/grasshopper-primer-english-edition>

tutorials for 2.9.2015 @ 7:00 PM

modeLab Intro
<http://lab.modecollective.nu/lab/introduction-to-grasshopper/>

- # 06-Trig Curves+Lists:
- # 07-Spiraling:
- # 08- Phyllotaxis + expressions:
- # 09-attractors and fields:

modeLab Data Trees
<http://lab.modecollective.nu/lab/working-w-data-trees/>

- # 01-Intro: 12:00
- # 02-points, lists, + data matching: 16:00
- # 03-list and lists of lists: 12:00
- # 04-intro to data trees: 13:30

Ball State

- #parametric curve
<http://www.i-m-a-d-e.org/fabrication/?p=578>
- #parametric truss -
<http://www.i-m-a-d-e.org/fabrication/?p=603>
- #lists and data matching
<http://www.i-m-a-d-e.org/fabrication/?p=543>