
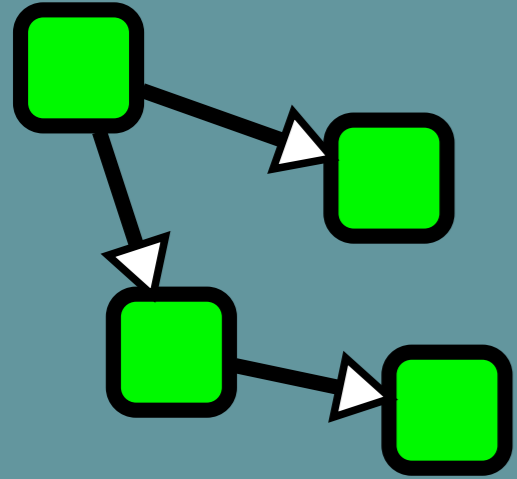


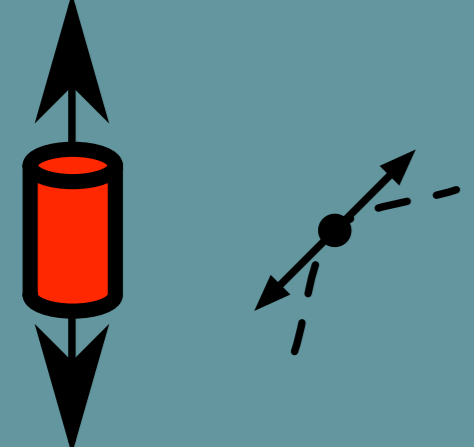
Plugin // compile & run




Script // run



Visual Coding



Manipulators



Direct Geometry Editing

↑
Increasing distance to geometry

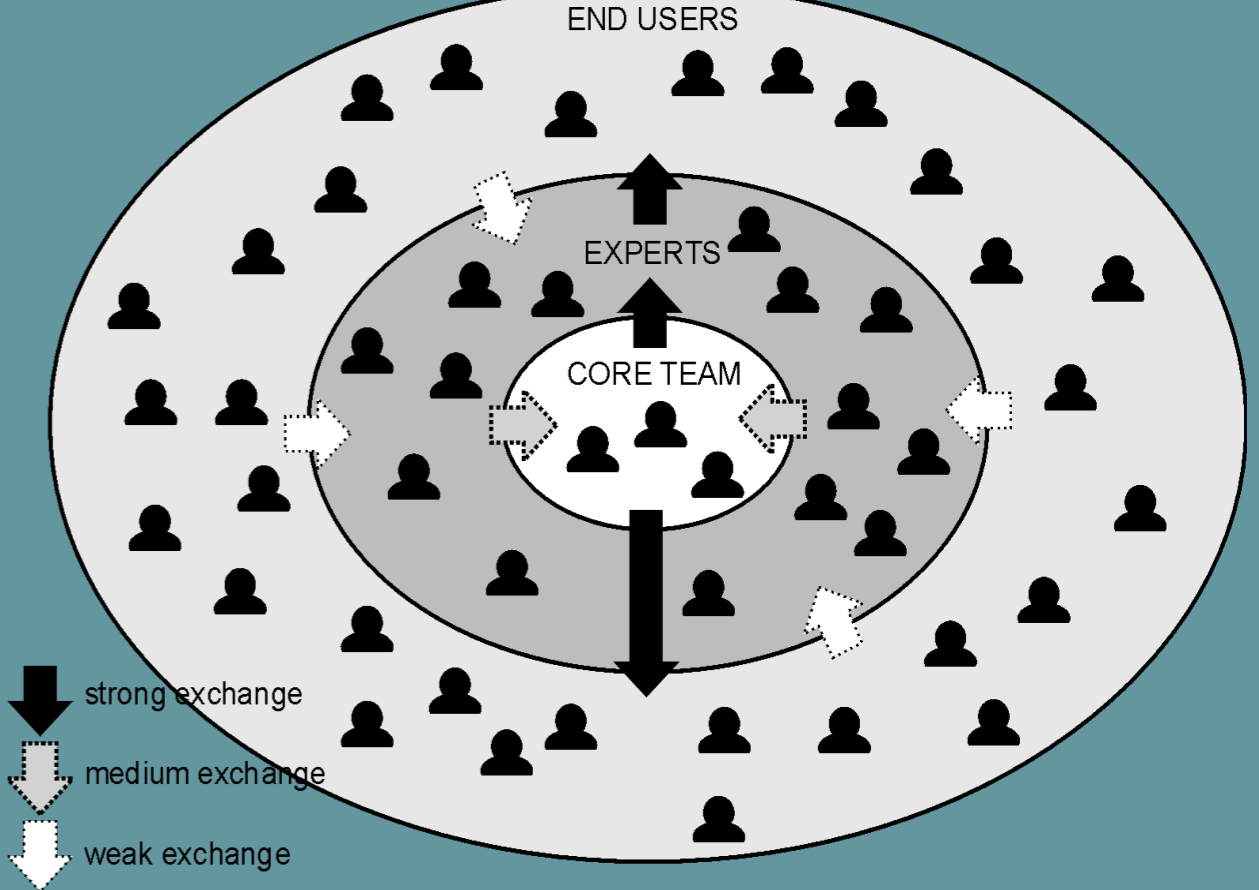
C++
C#
VB.NET
Java

MAXscript(3ds Max)
MEL(Maya)
AutoLisp(AutoCAD)
GDL(ArchiCAD)
Python
Javascript
Rubyscript(SketchUp)
VectorScript(VectorWorks)
RhinoScript(Rhino3D)

Quartz Designer
Puredata
Max/MSP/Jitter
Wirefusion
Plogue Bidule
Buzz Machines
Shaderman
...

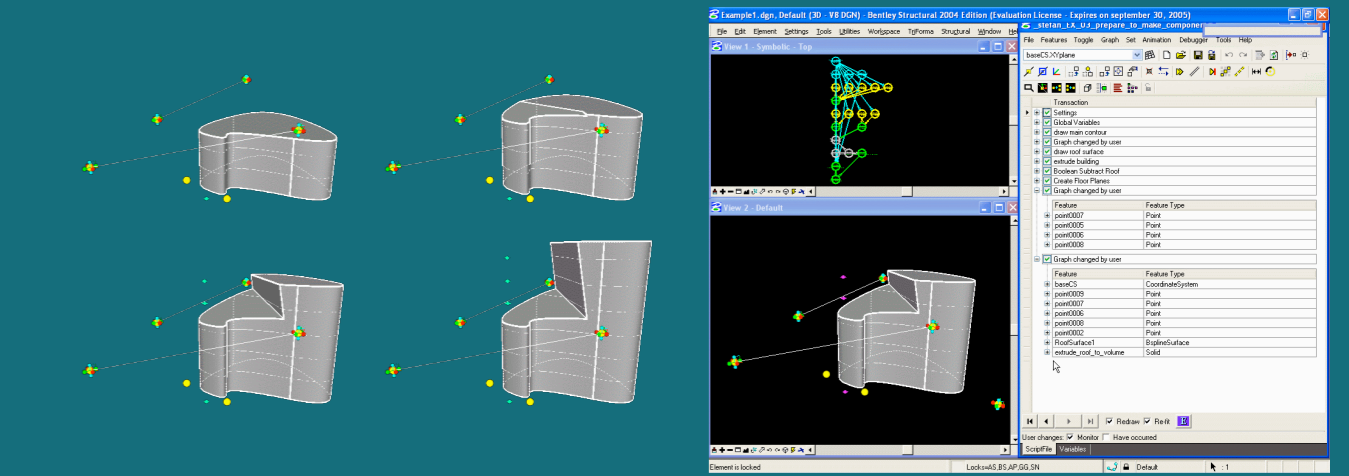
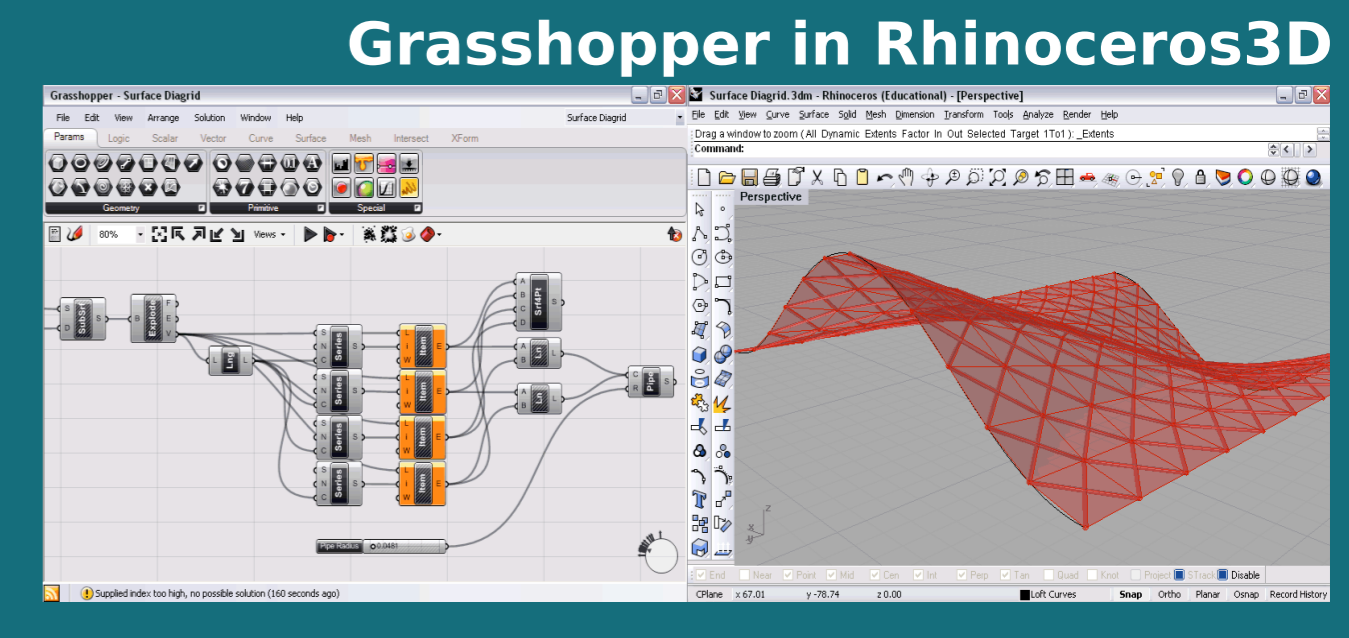
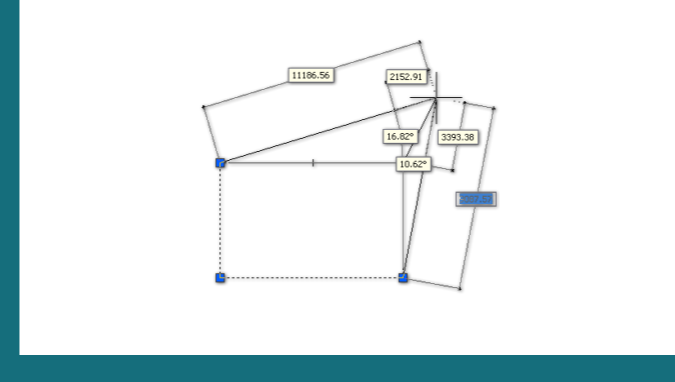
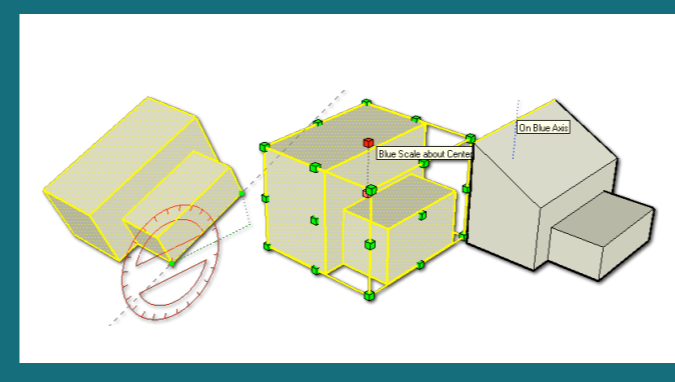
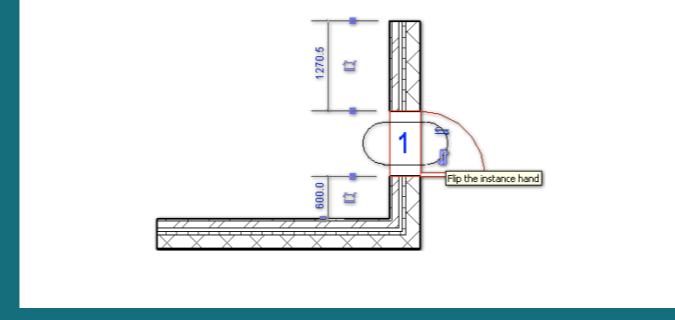
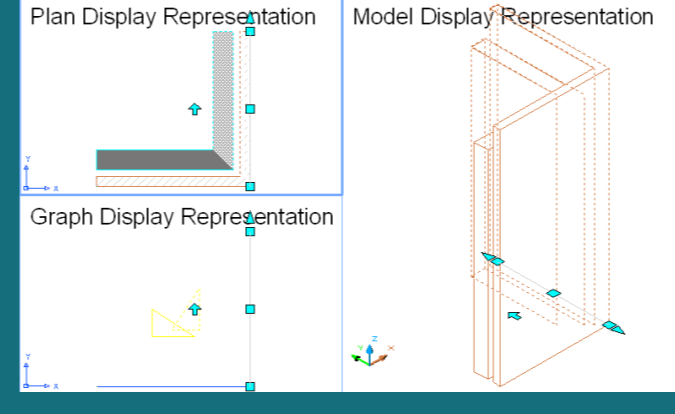
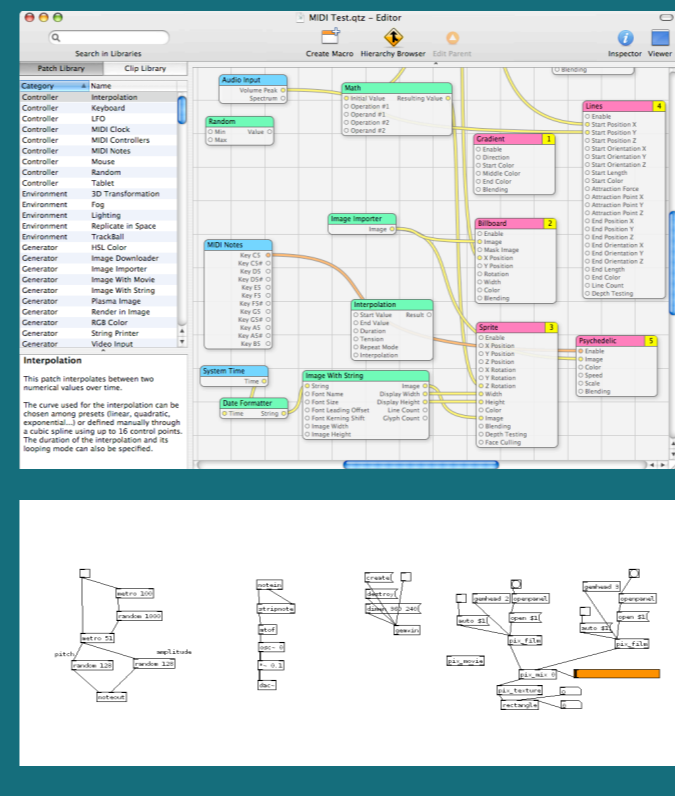
Dynamic Blocks
Geogebra
Revit Families
Dynamic Hotspots

Grips
Handles



Collaboration Model

cfr. Open Source Development applicable to teaching, research and practice of architectural programming and scripting



Generative Components in Microstation

Future Work

Developing visual programming environment for architecture

Setup community for teaching



Conclusions

Potential of Programming/Scripting for Architecture
Variety of disconnected technologies/applications
Limited Exchange of Information
Increasing need for Collaboration & Tuition
Follow Open Source Approaches

