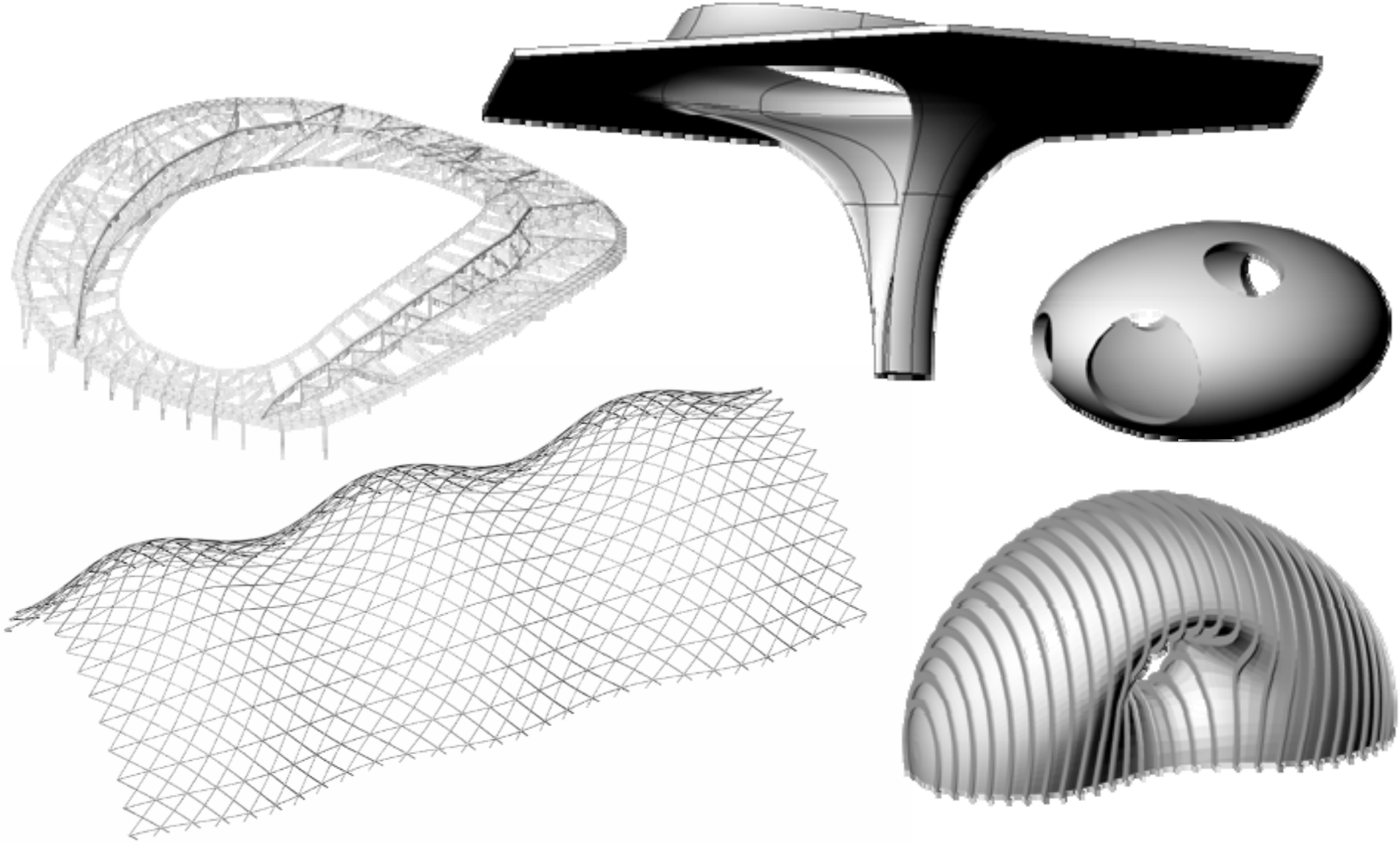
Introduction to Rhinoceros



© Paul Shepherd

UNIVERSITY OF BATH

Course Outline

- You are expected to teach yourself and the best way to learn is by having a go

- Today we will go through the basics to get you started

- You should play around with it over the next fortnight

- This introduction will be followed by another session where you can also ask questions and discuss problems you have come across

- There are lots of good learning materials available including a user manual and some basic tutorials on *www.rhino3d.com* and *www.rhino3d.tv*

© Paul Shepherd

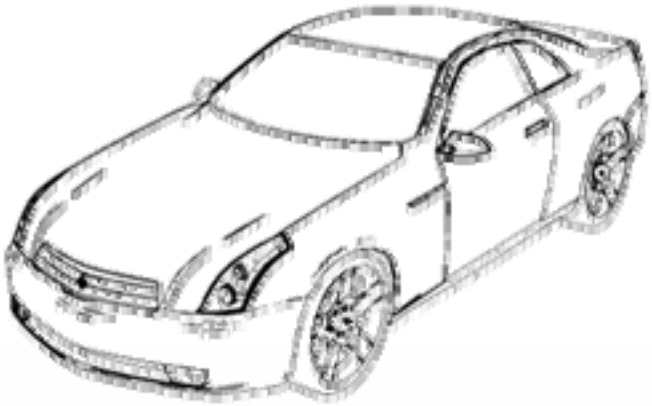
Why Use Rhino?

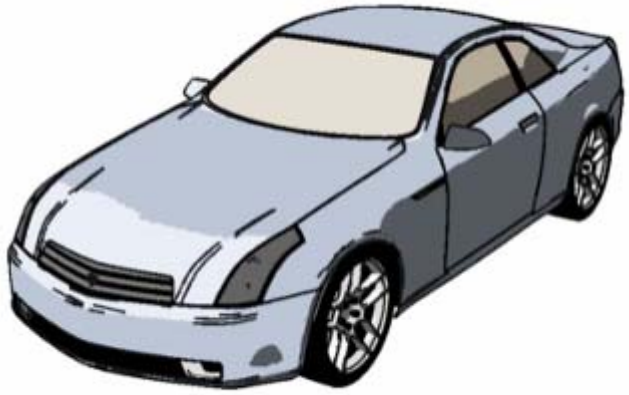
- Interoperability
- 3D Surface Modelling
- 3D Solid Modelling
- Intersections & Trimming
- Rendering & Animation
- Scripting & Plug-Ins

- Easy To Learn
- Cheap
- Good Support Network

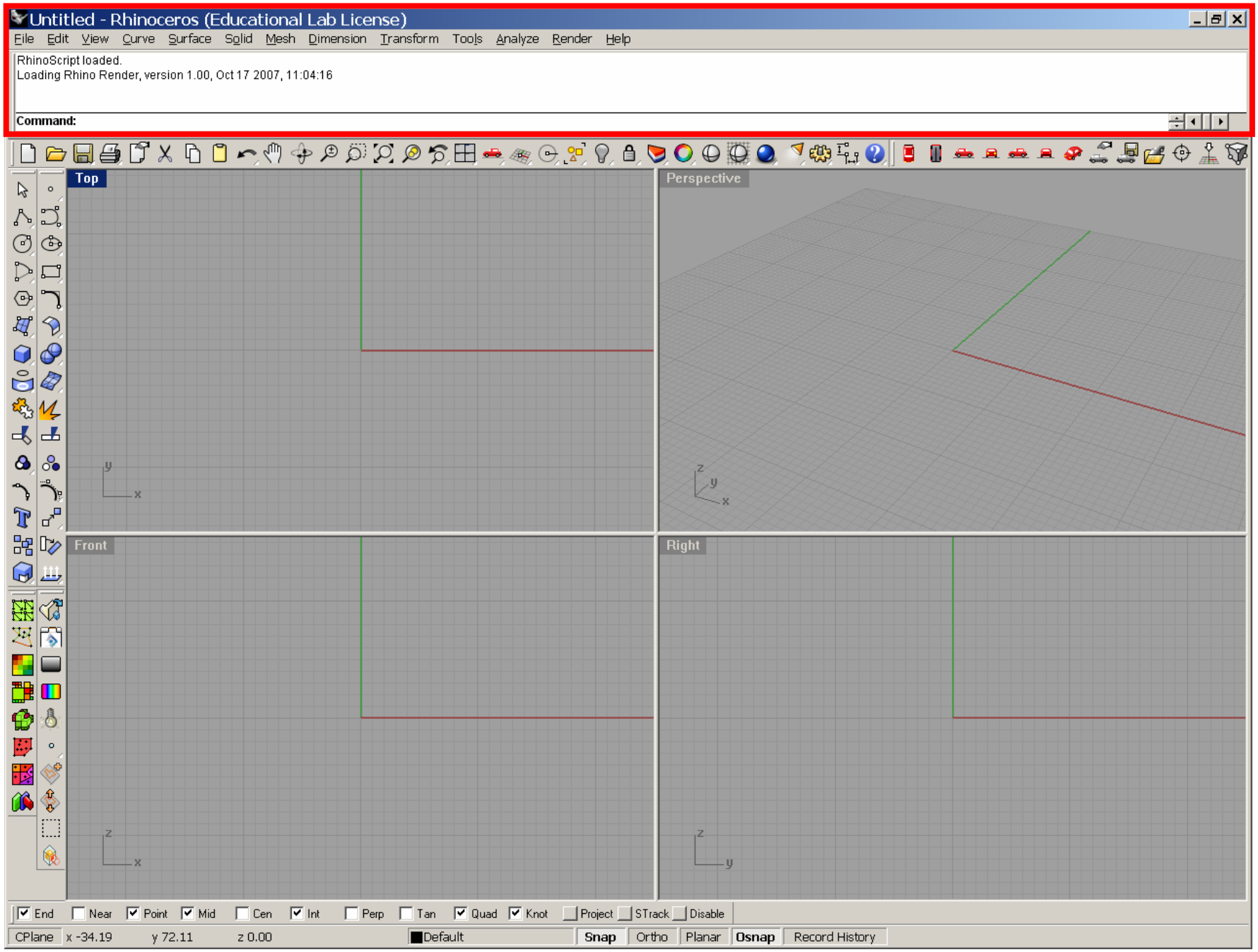
- Because It Works

DWG
DXF
DGN
IGES
3DS
STL
SAT
FBX
Parasolid
LWO
SLC
OBJ
PDF
AI
EPS
Sketchup
SolidWorks
RIB
POV
UDO
VRML
BMP
TGA
CSV
TXT
TIFF
STEP
VDA
GHS
GTS
KML
PLY
ZPR





© Paul Shepherd



© Paul Shepherd

Untitled - Rhinoceros (Educational Lab License)

File Edit View Curve Surface Solid Mesh Dimension Transform Tools Analyze Render Help

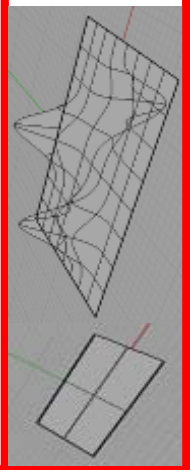
RhinoScript loaded

Command:

1 Dimensional Stuff

2 Dimensional Stuff

3 Dimensional Stuff



© Paul Shepherd

Live Demo

- General
  Views, Toolbars, Snaps, CPlanes, Command-Line

- Points

- Curves
  Creating, Editing & Rebuilding
  Split, Trim, Extend

- Surfaces
  Creating, Editing & Rebuilding
  Split, Trim, Extend

© Paul Shepherd