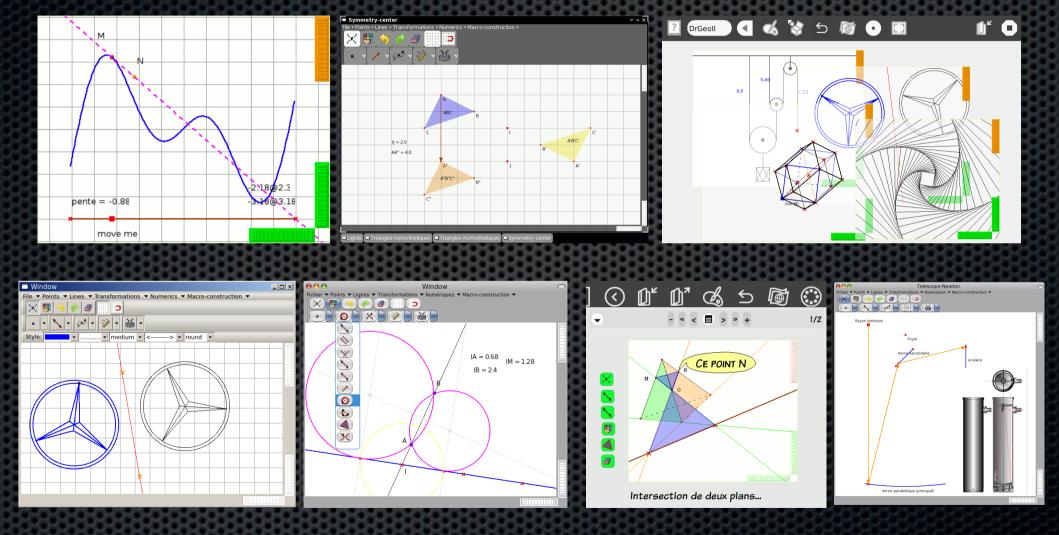
Dr. Geo Interactive Geometry with

Pharo Smalltalk

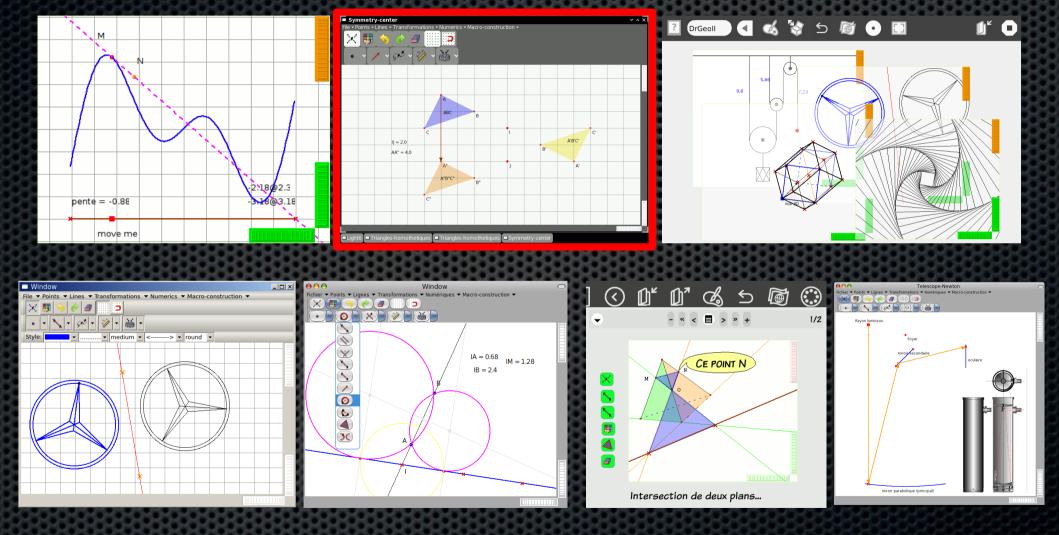
Hilaire Fernandes

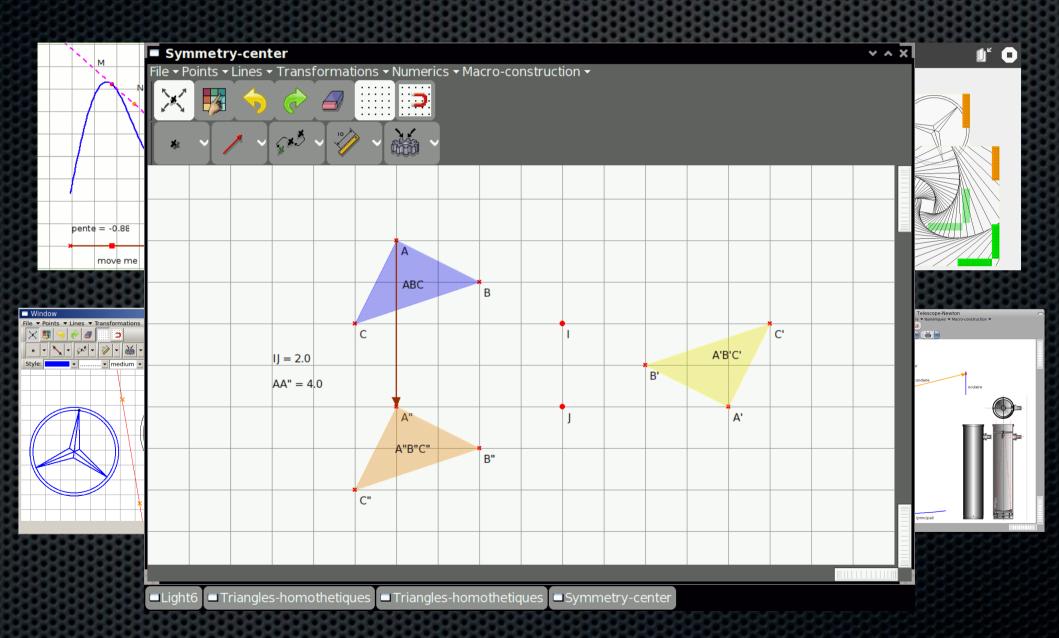


Interactive Geometry?

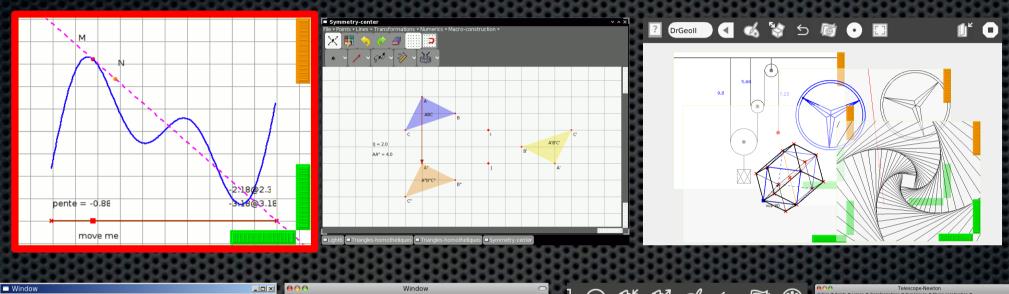


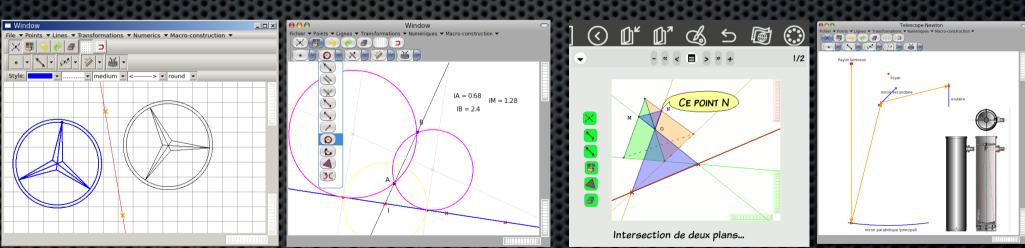
Euclidean Geometry

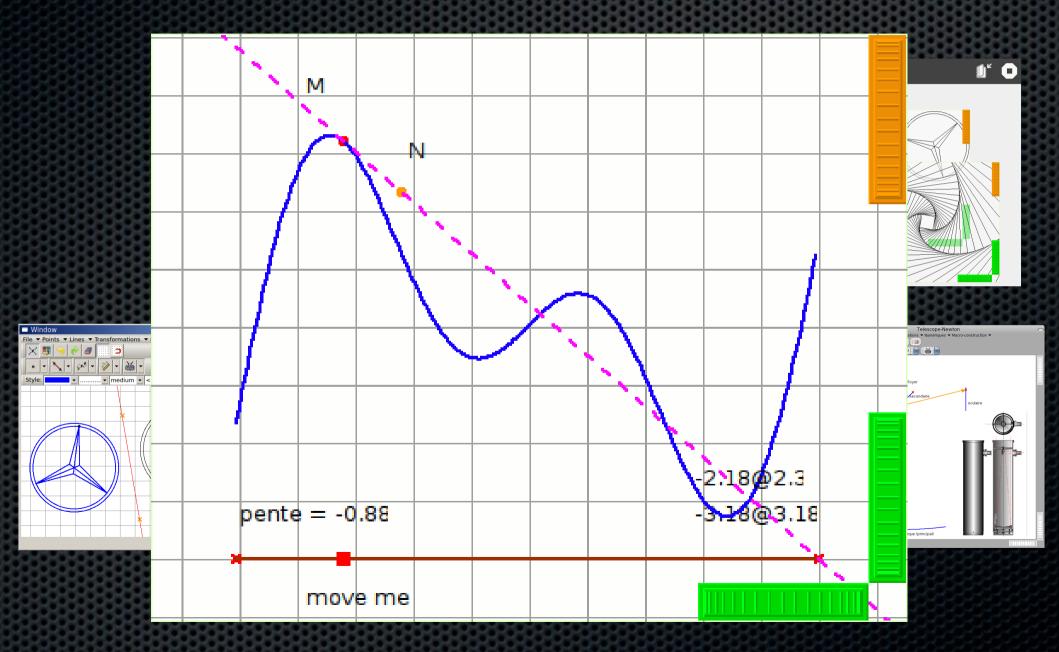




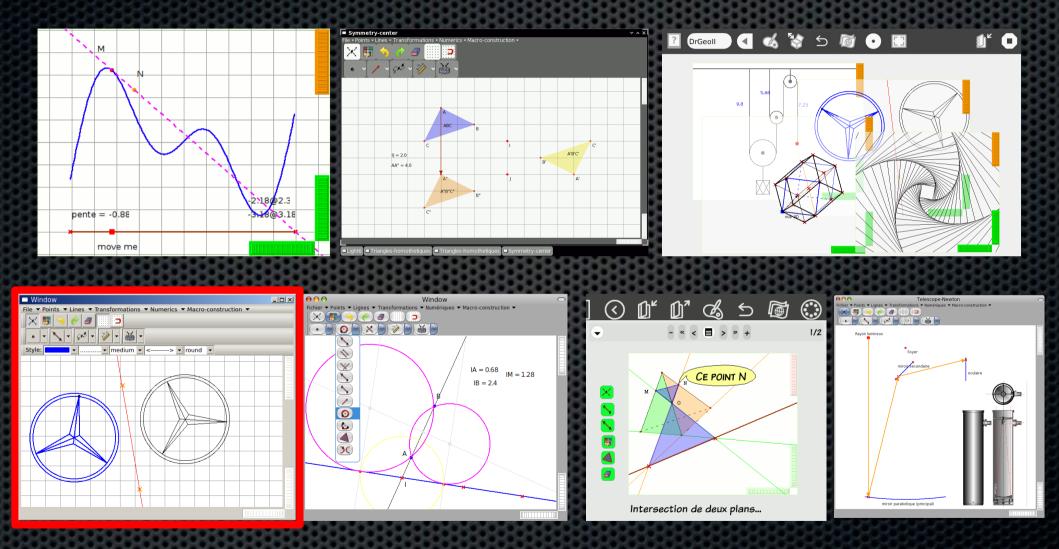
Analysis

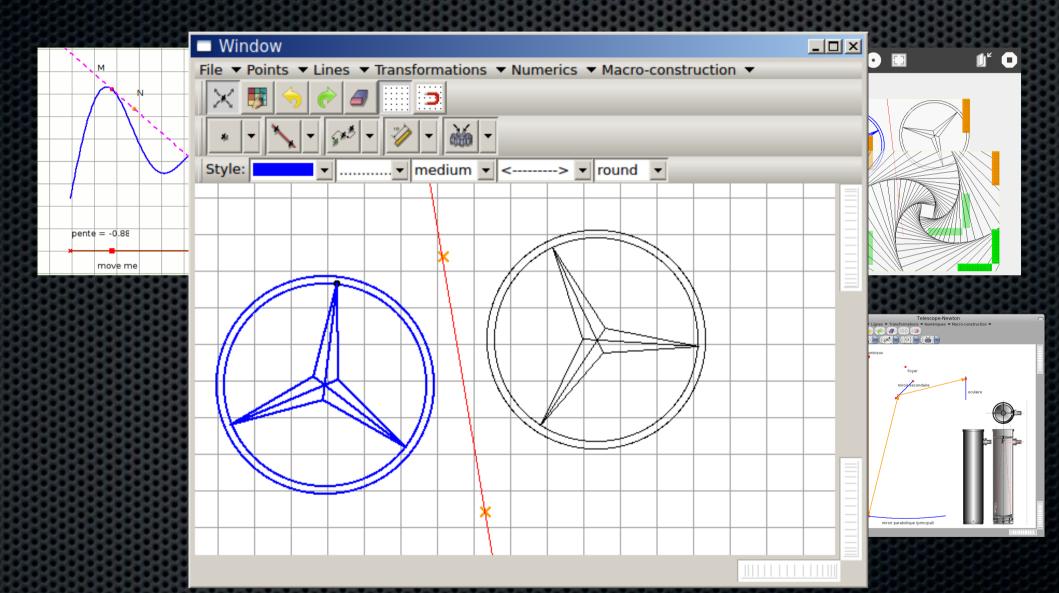




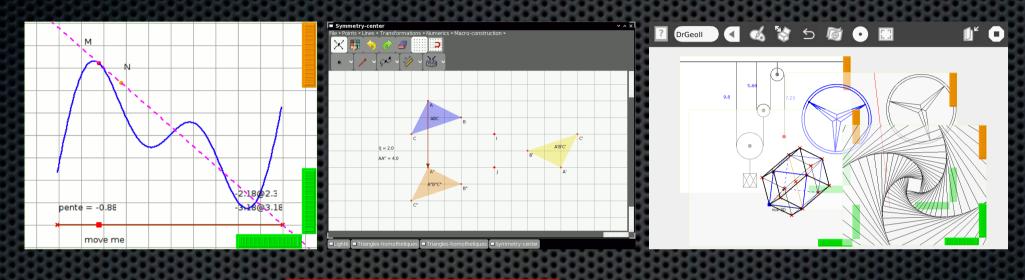


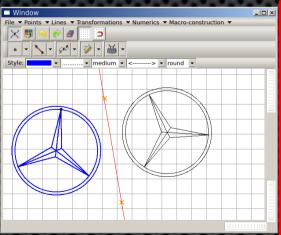
Des transformations

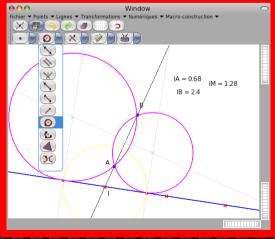


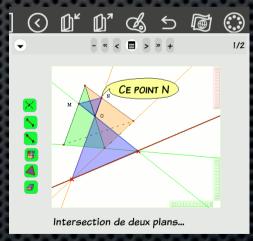


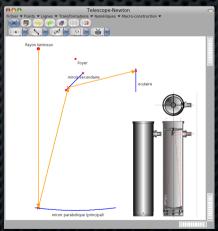
Scripts

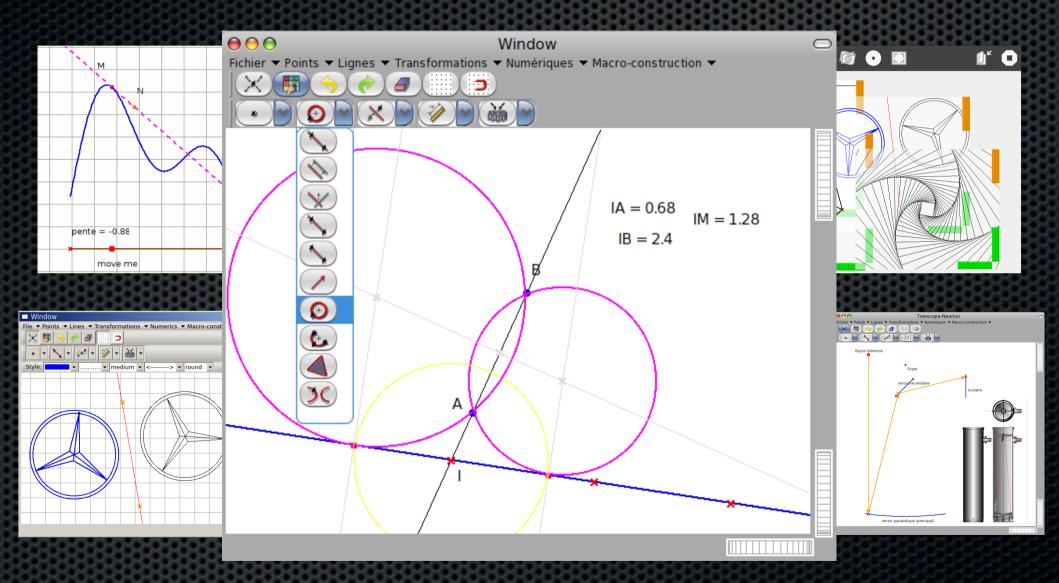




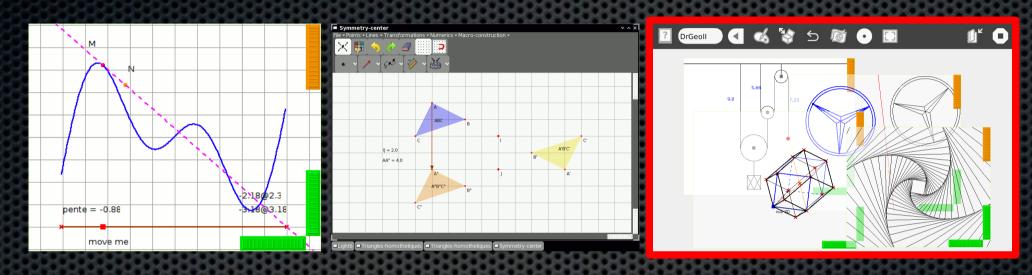


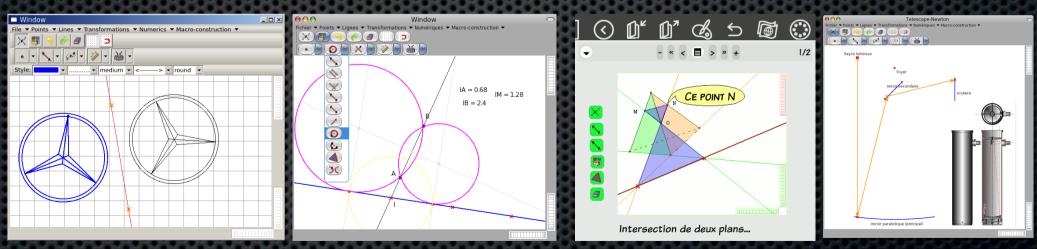


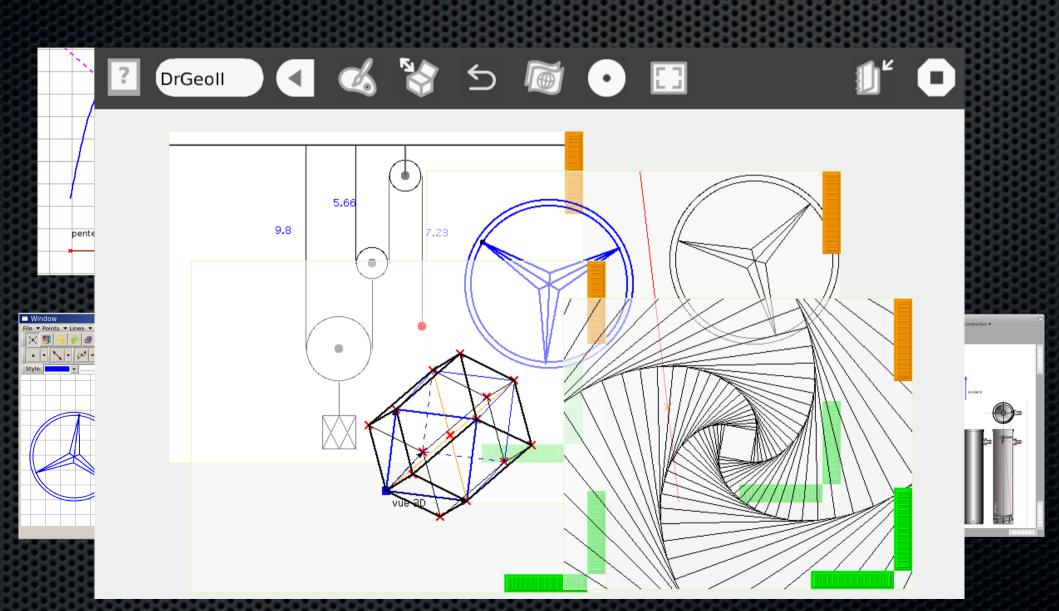




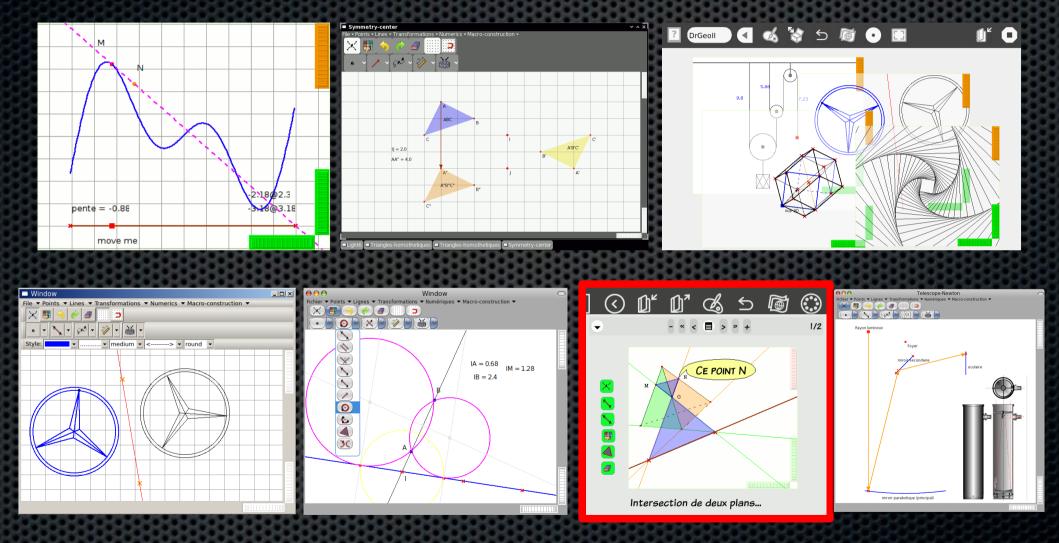
Various

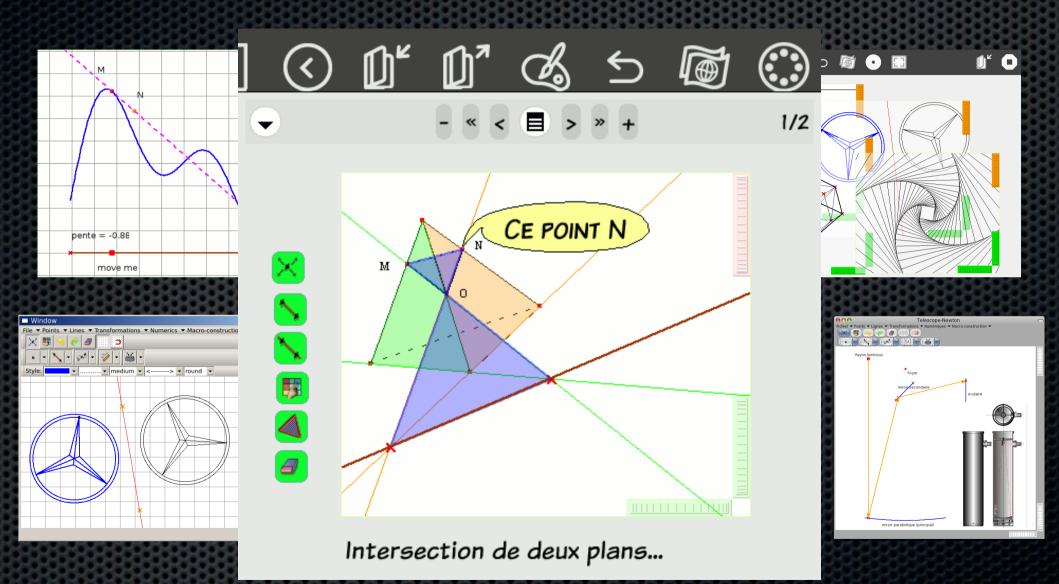




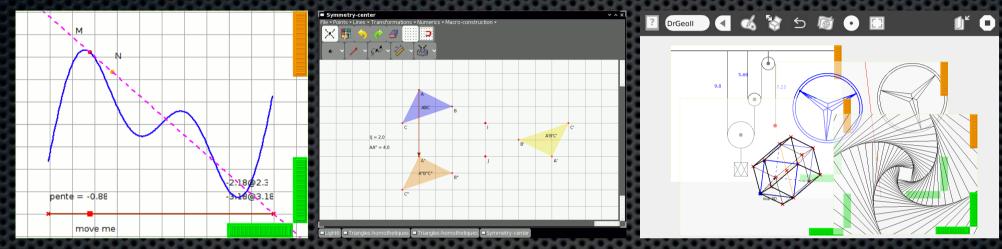


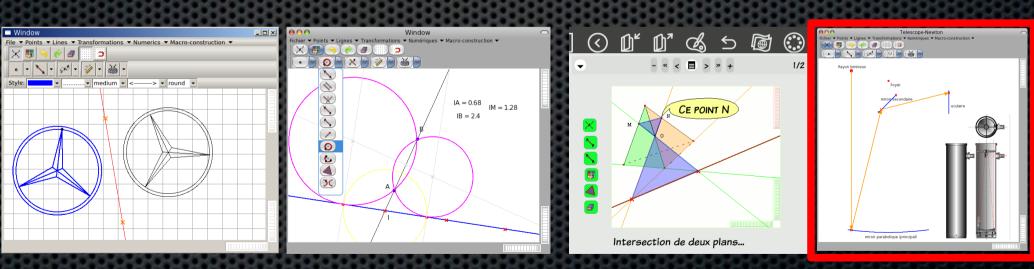
Interactive Book/Etoys

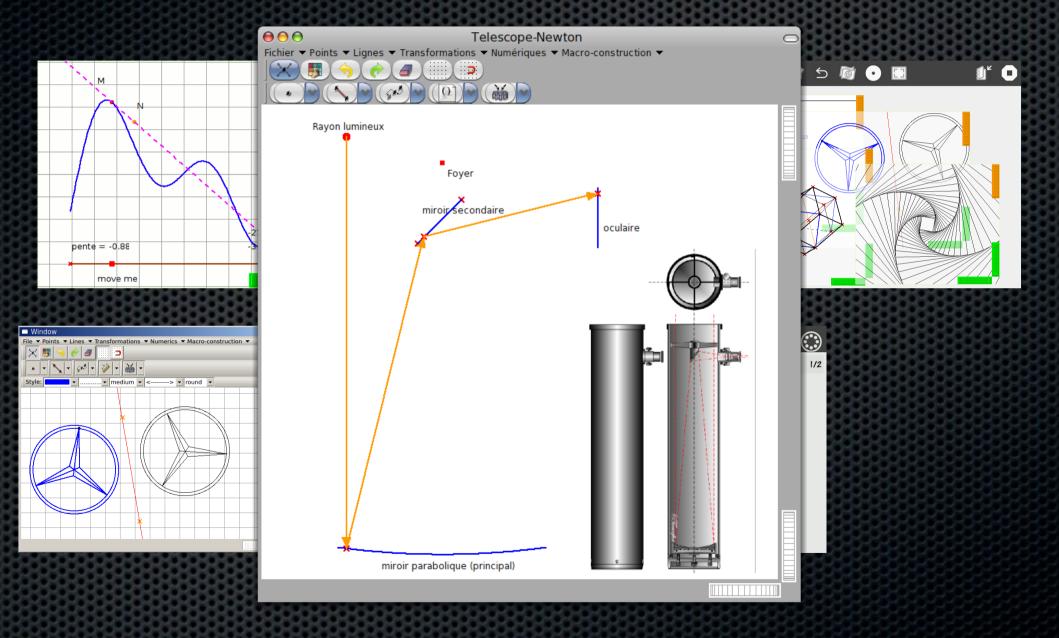




Physics







Interactive Geometry

lt's

Dynamic!

Demonstrations....

Technical

Dr. Geo written

with

Pharo Smalltalk

Why Pharo Smalltalk?

- Portability: Linux, Mac, Windows, Android, ios
- Boost on productivity
- Comfort of the programming environment
- Dr. Geo is modify-me-ready!

Dr. Geo Smalltalk Script

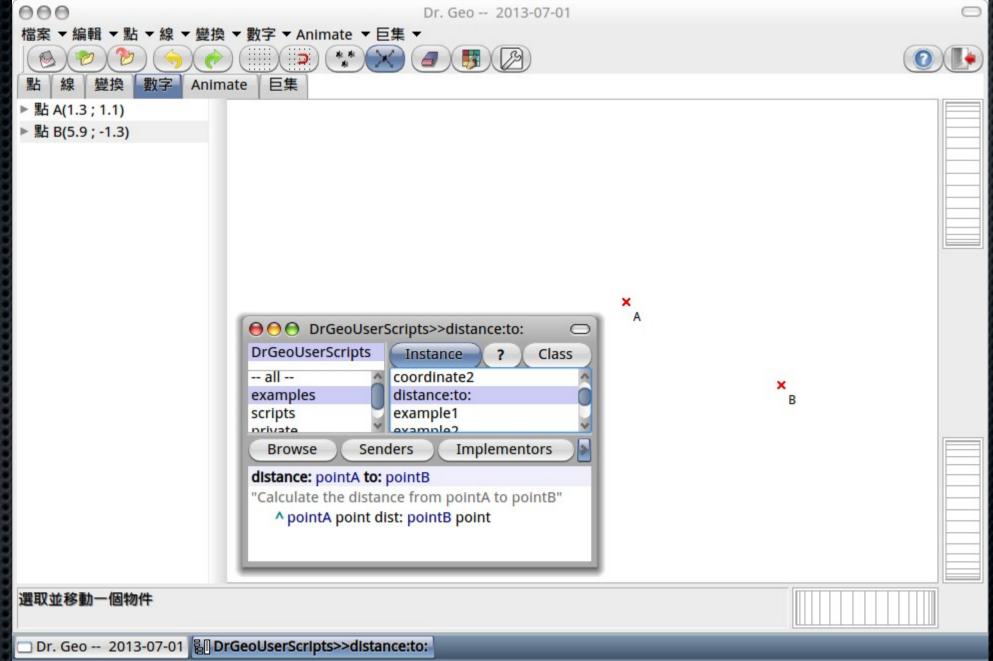
EMPOWERING THE USER

Inserting Code Snippet

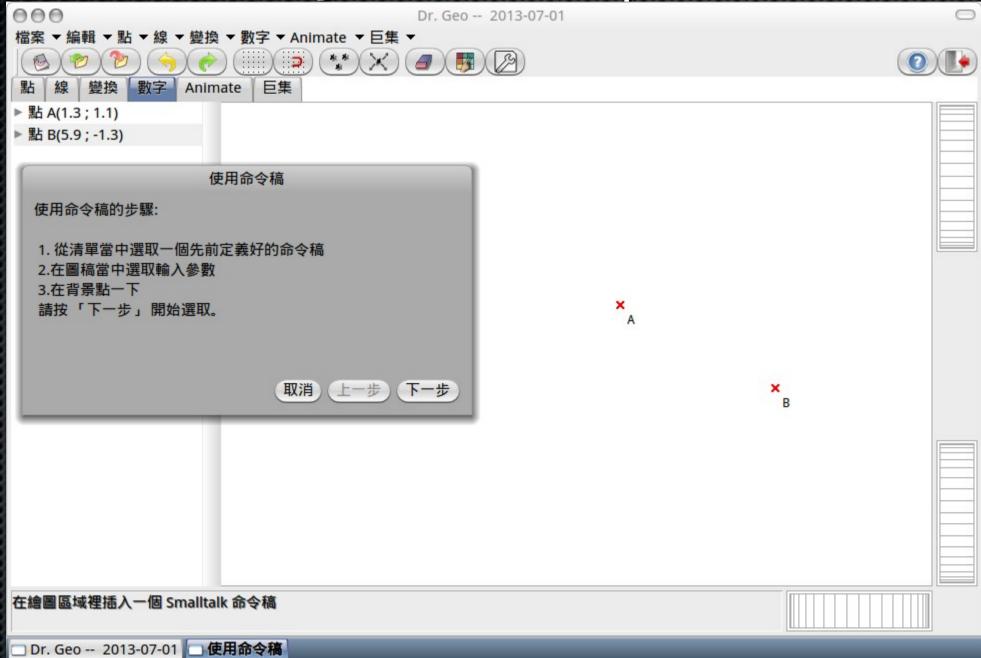
Scripts:

Mathematical objects you pin in your sketch as points, lines,...

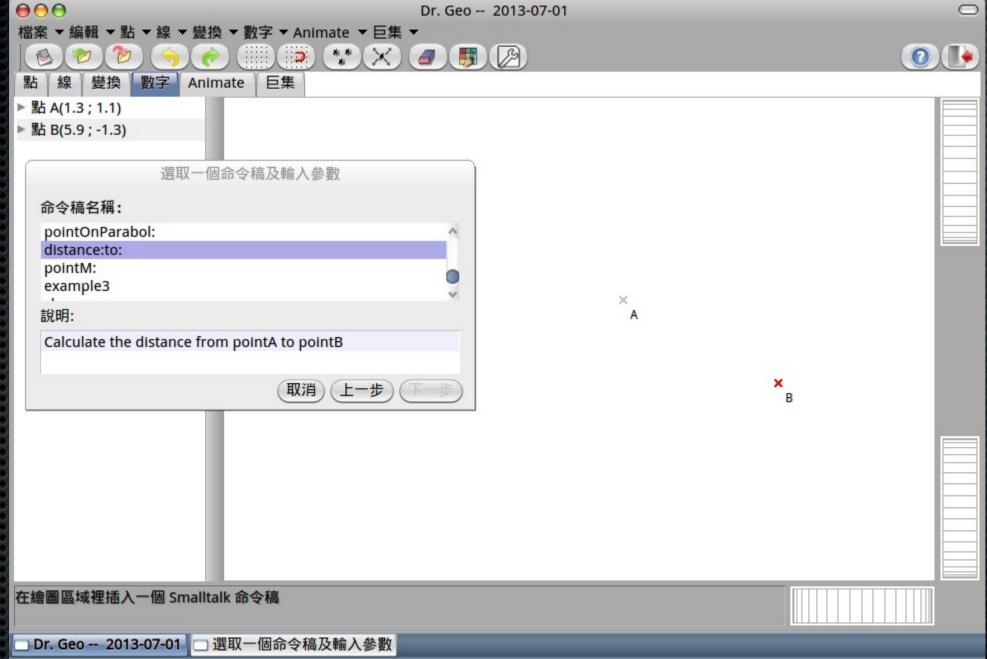
Edit your Script



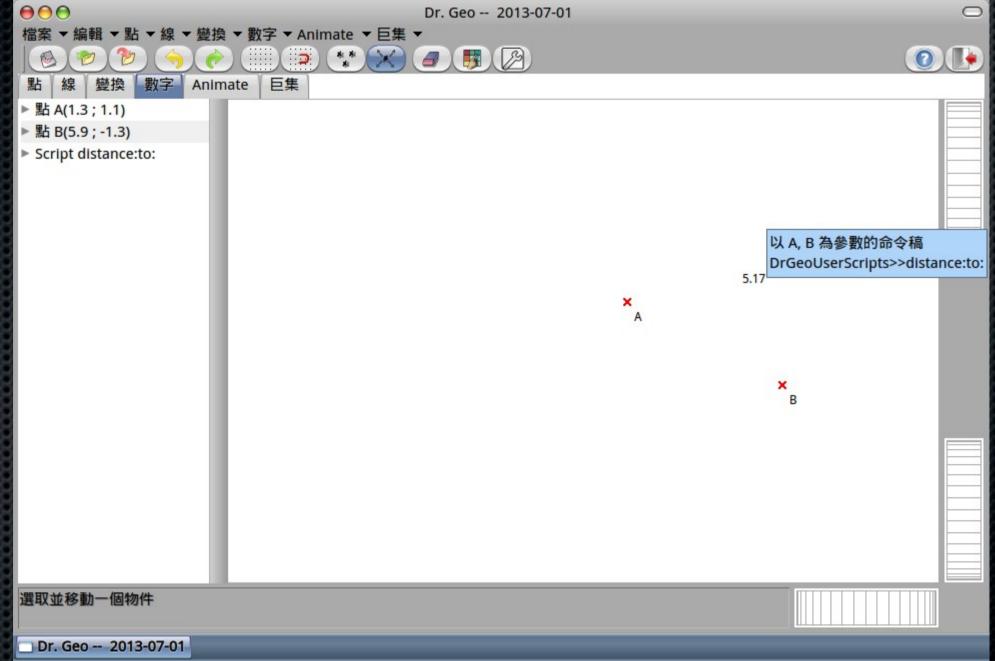
Use your Script 1/3



Use your Script 2/3



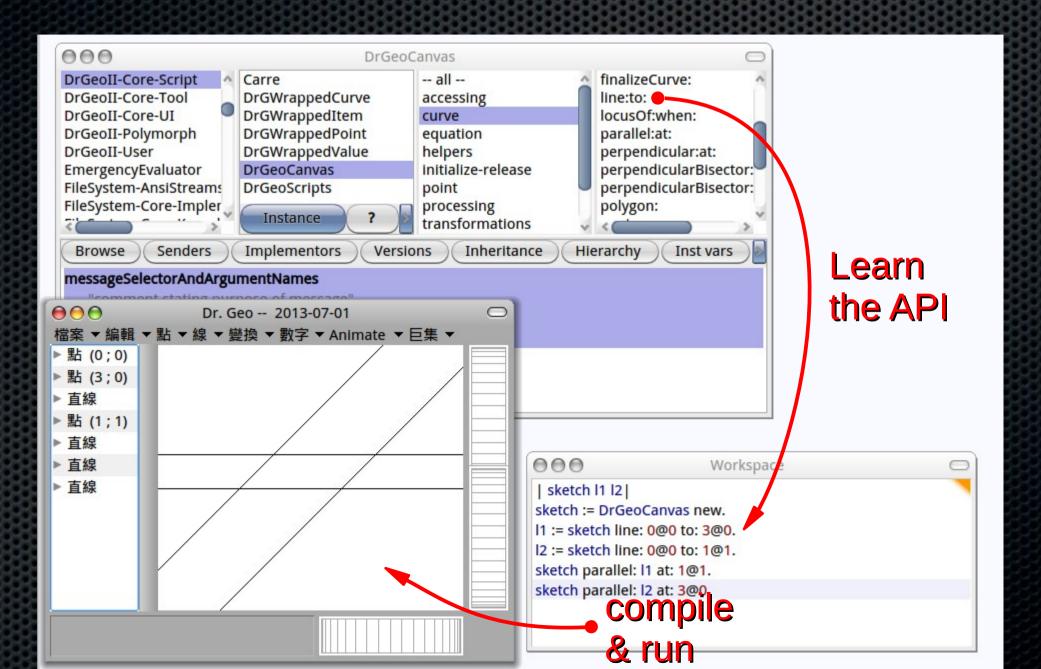
Use your Script 3/3



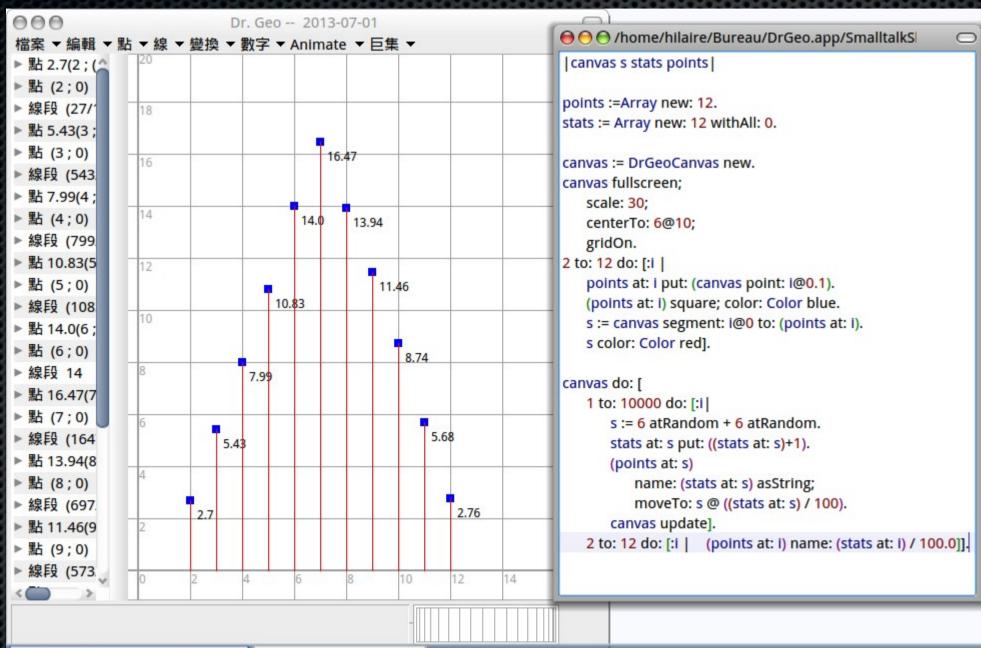
Smalltalk programmed interactive sketches

- API-easy thanks to Smalltalk
- Nice written sketches
- The power of code bloc

Smalltalk sketch: Workflow



Smalltalk sketch animated



/home/hilaire/Bureau/DrGeo.... Dr. Geo -- 2013-07-01

Boost your Creativity

NOW, imagine it

for your software project