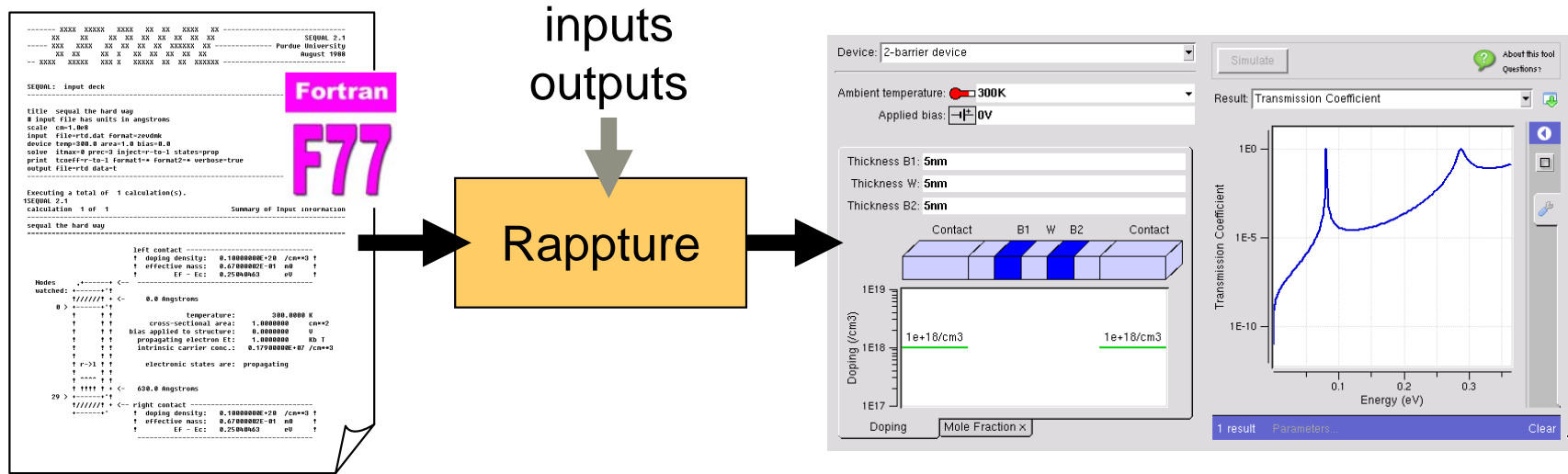


Introducing the Rappature Toolkit

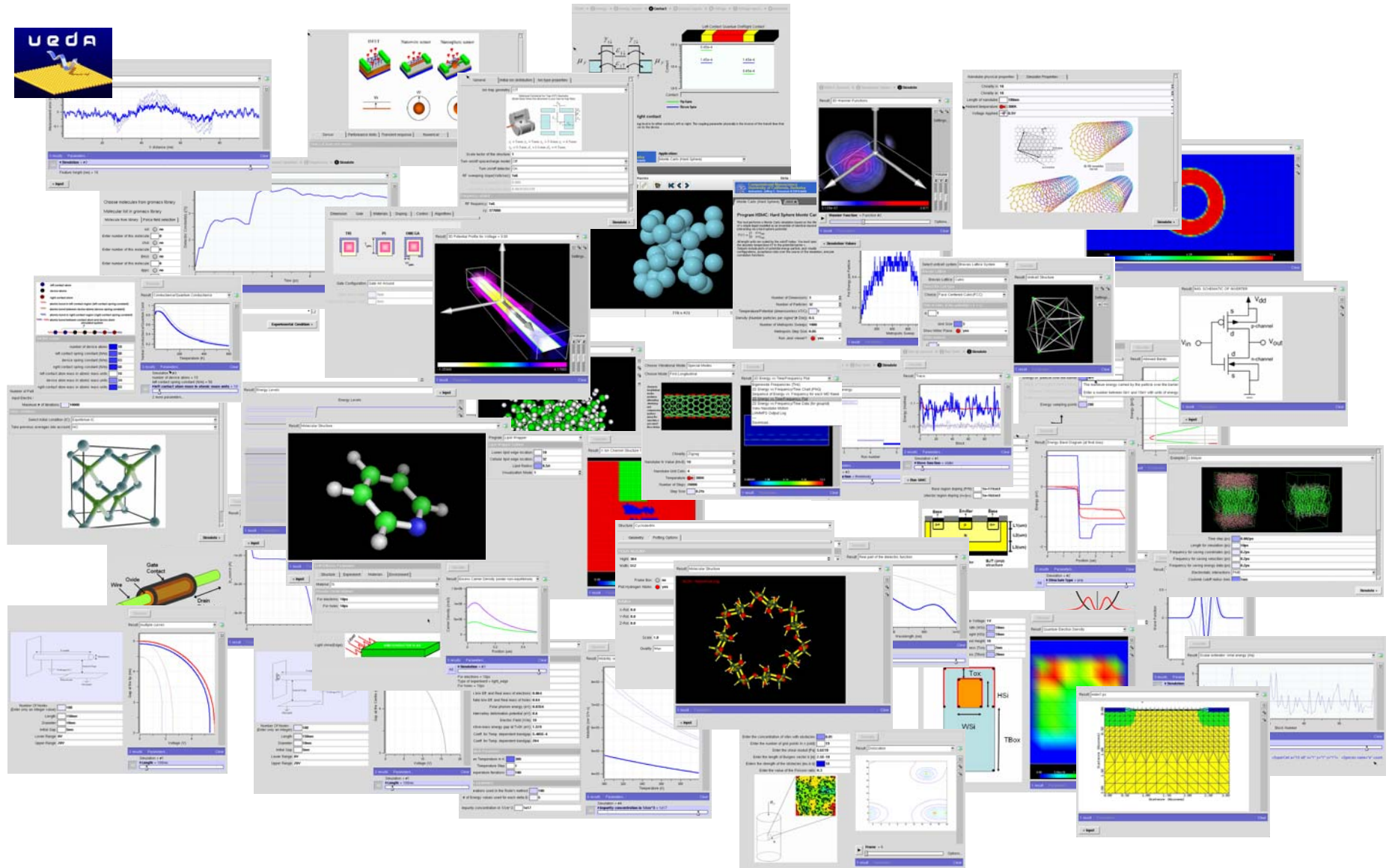
Michael McLennan

HUBzero® Platform for Scientific Collaboration

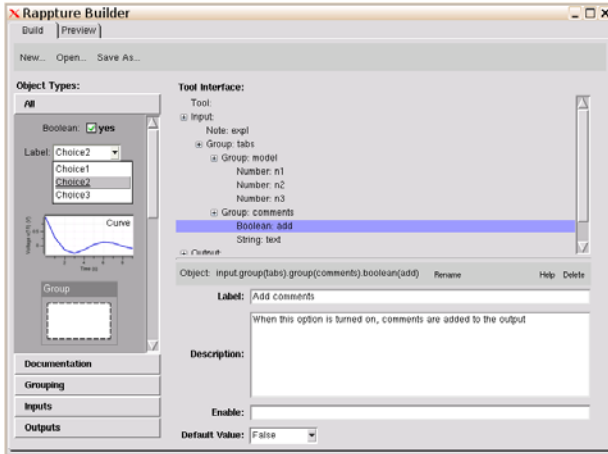
Purdue University



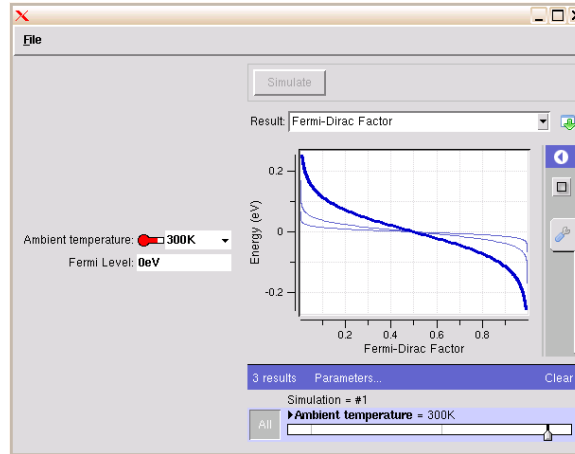
- Rapid Application Infrastructure
- Released in May 2005
- Open Source (rappture.org)
- Create standard desktop apps
- Works with your favorite programming language



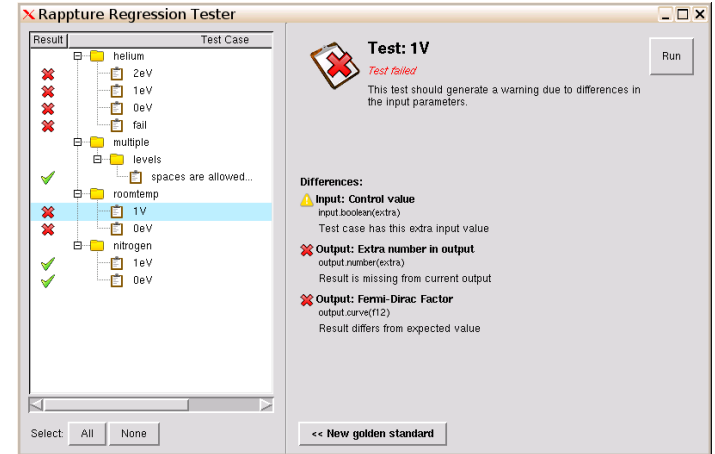
Builder



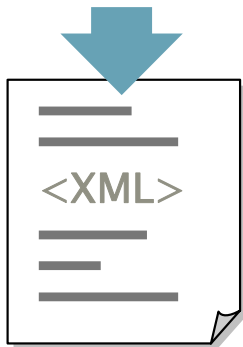
Runner



Tester



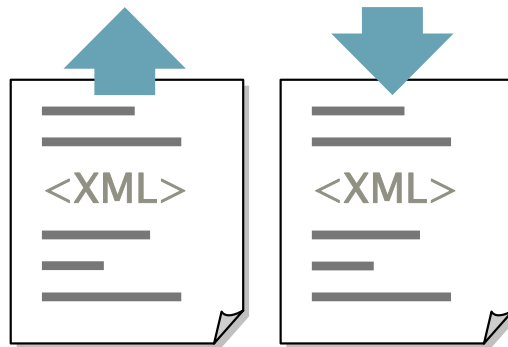
rappture -builder



tool.xml

Generates tool description

rappture
rappture -run

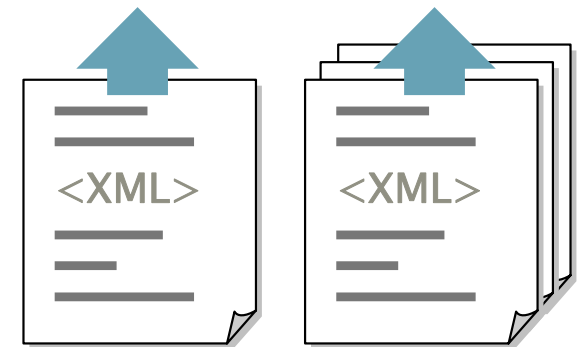


tool.xml

run.xml

Reads tool description
Generates simulation results

rappture -tester



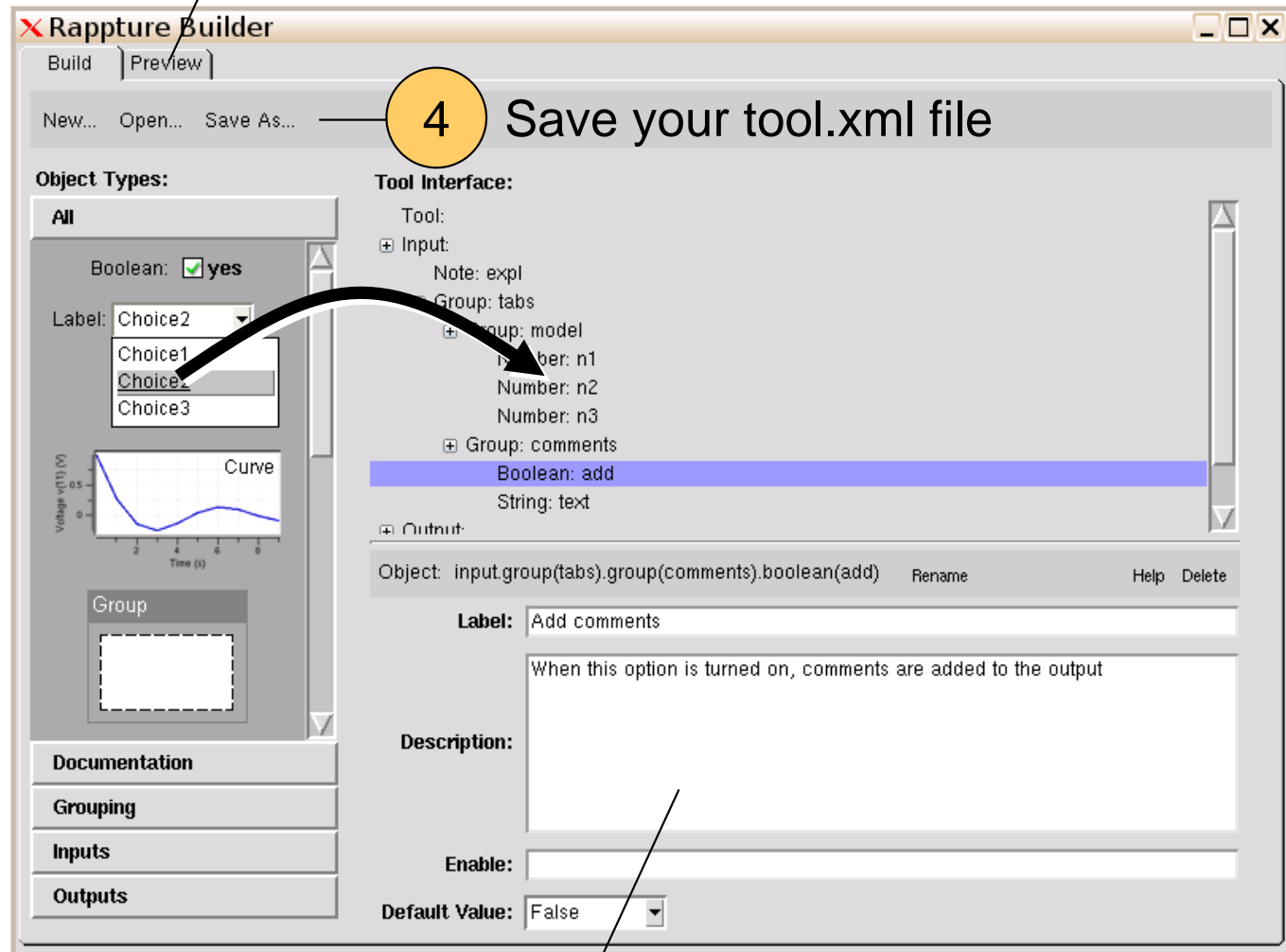
tool.xml

tests

Reads tool description
Runs tests and compares results

1
Drag controls from the palette and drop in inputs/outputs

3 Click on the "Preview" tab to preview your tool



2 Click on a control and edit its parameters

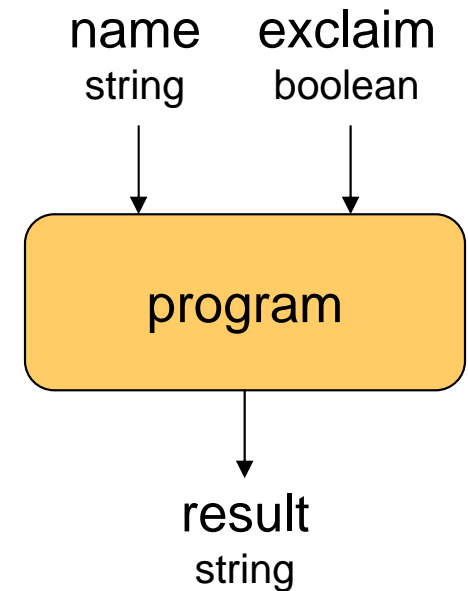
- Takes a name and an “enthusiasm” level
- Enthusiasm adds an exclamation point
- Produces a “hello, world” string

Build two ways:

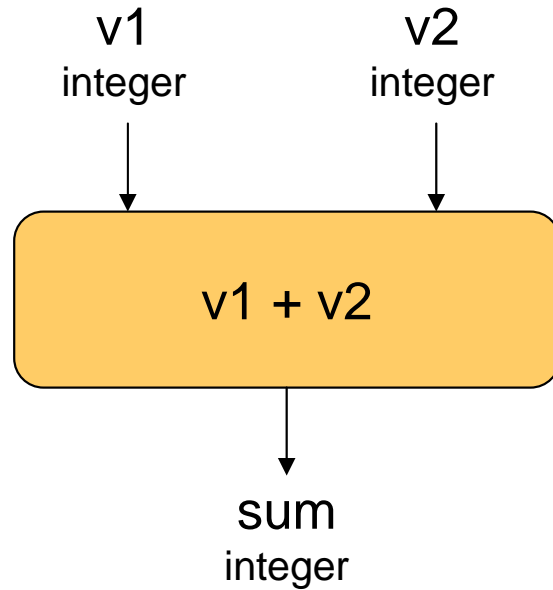


string

boolean



Assignment #1: Build a simple Addition tool



Pick your favorite language:



...

