Scilab™-LabVIEW™ Gateway
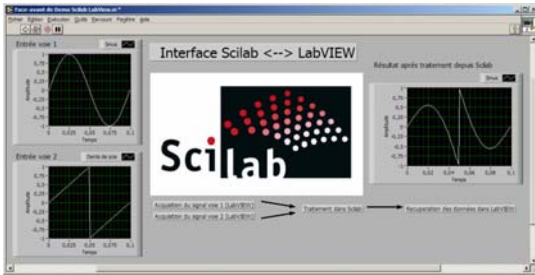

Connecting LabVIEW with Scilab…
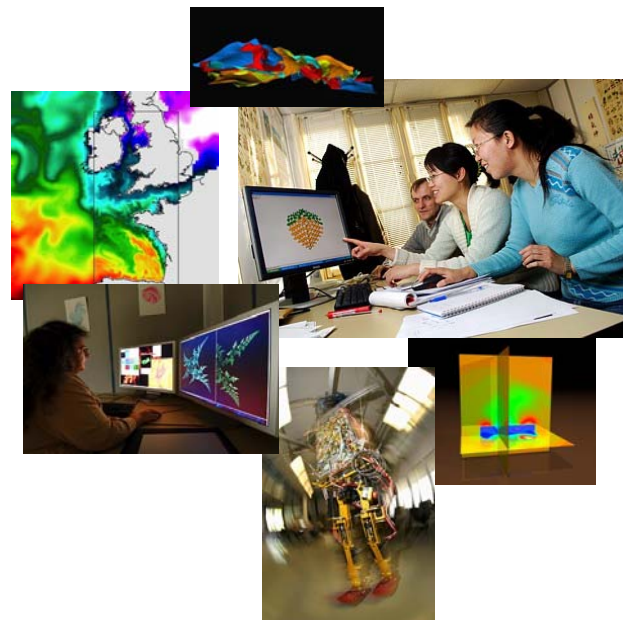
and getting Scilab's power through LabVIEW.

With Scilab - LabVIEW Gateway, enjoy the best of the two worlds.

The interface between Scilab and LabVIEW is provided through a "Scilab script node." With the Scilab script node, you can include text-based Scilab programming (Scilab macro language), in Virtual Instruments you create with LabVIEW.

This provided gateway contains an early release of a software interface that you can use to call Scilab from LabVIEW.

Notes

- This initial release only works with scripts that do not include carriage returns / linefeeds.

- Also included several examples to get you started. These are found in the examples subdirectory of the zip file.

- Download, from www.scilab.org, the required files and follow installation instructions included in the zip file containing Scilab - LabVIEW Gateway.

Software Requirements:

- Windows 2000/XP
- Scilab 4.0 version
- LabVIEW Full Development System 8.20
  or
  LabVIEW Professional Development System 8.20
- LabWindows/CVI Run-time Engine Version 8.0.1 for Windows 2000/XP

▪ LabVIEW is a trademark of National Instruments.
▪ Scilab is a trademark of INRIA.

Scilab - The open source platform for numerical computation

- 2-D and 3-D graphics, animation
- Linear algebra, sparse matrices
- Polynomials and rational functions
- Interpolation, approximation
- Simulation: explicit and implicit systems of differential equations solution
- Scicos: block diagram modeller/simulator
- Classic and robust control, LMI optimization
- Differentiable and non-differentiable optimization
- Signal processing
- Graphs and networks
- Parallel Scilab
- Statistics
- Interfaces with Computer Algebra (Maple)
- Interfaces with Fortran, Tcl/Tk, C, C++, Java

www.scilab.org

Domaine de Voluceau, Rocquencourt - B.P. 105, 78153 Le Chesnay Cedex ▫ www.scilab.org ▫ scilab@inria.fr