www.scilab.org

Scilab
The Free Platform for Numerical Computation

About Scilab

The Consortium

Scilab is a free platform for numerical computation, developed and distributed by a dedicated research and development team within a consortium created by INRIA (the French National Institute for Research in Computer Science and Control).

Promoting and maintaining strong collaboration between industry and academics, the Scilab Consortium (which includes industrials and academics) has joint the Digiteo foundation in July 2008, to achieve one ambition: make Scilab the free reference in numerical computation.

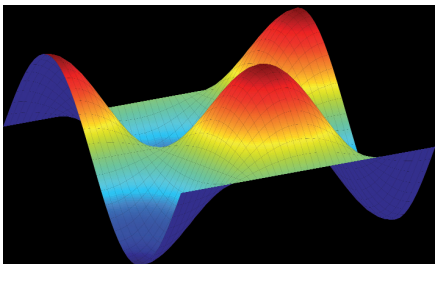
Application Areas

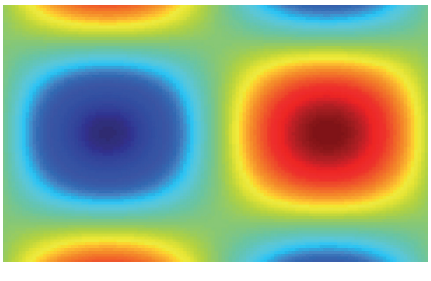
Asserting its strong positioning, Scilab is willing to be the best solution gathering both industrial needs and scientific advances in covering a wide spectrum of application areas: aerospace, automotive, energy, defense, finance, chemistry, biology, medicine… typical domains where industrials rely on Scilab.

As an example, the French government recommends research consultancy and public construction & building sector to employ Scilab to get used to the Eurocodes (European standards for design and engineering works and civil buildings).

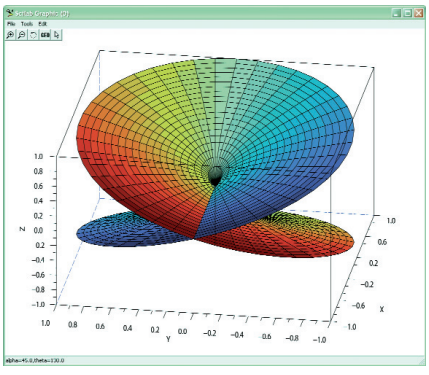
Scilab is well established in France where it is taught in most universities and engineers schools and used by important companies. Around the world, in China, Japan, India, USA..., engineers, students, researchers use Scilab. Moreover, Scilab is widely used and highly recommanded in Chinese high schools.

Scilab is involved in many French initiatives (French National Agency for Research, competitiveness clusters like System@tic,Ter@tec,...), European ones (Framework Programs, Eureka) and other worldwide initiatives.





The Scilab plaform



Scilab is an interactive platform for numerical computation providing a powerful computing environment for engineering and scientific applications

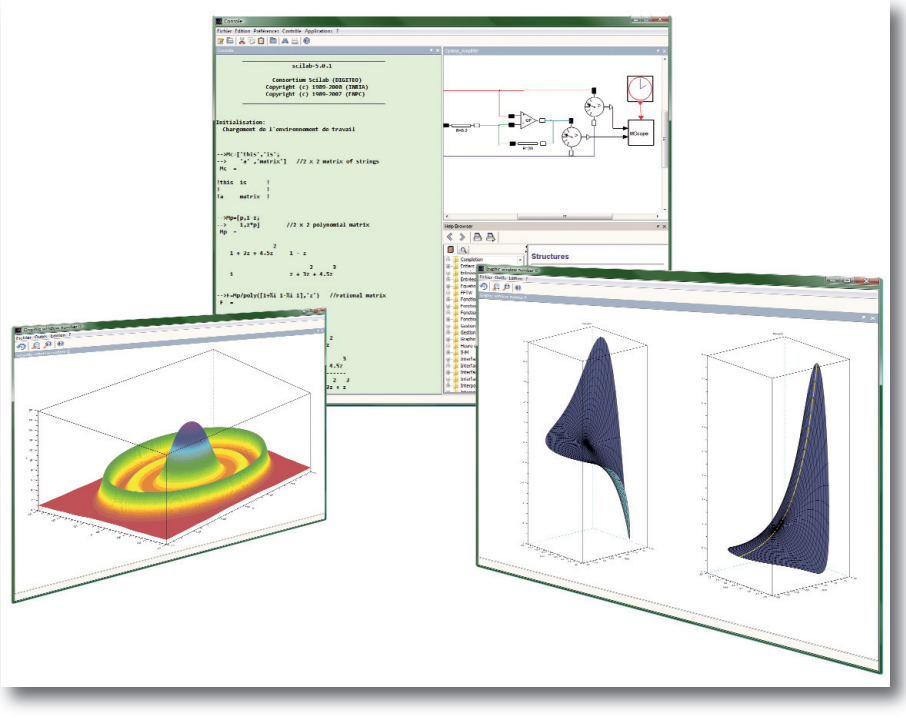
Scilab includes hundreds of mathematical functions. It has a high level programming language allowing access to advanced data structures, 2-D and 3-D graphical functions.

A number of functionalities is included in Scilab: control, simulation, optimization, signal processing... Xcos, the hybrid dynamic systems modeler and simulator is provided with the platform.

Scilab is free software distributed under CeCILL license (GPL compatible).
It comes with source code, on-line help and English user manuals.

The international scientific community, both academic and industrial spheres, invests in Scilab. On Scilab website, many toolboxes, contributions from users, can be downloaded.

The distribution mode of Scilab is particularly well suited for education where students can receive a free copy or as a tool for scientific cooperation without constraints. The availability of source code is also of great interest in research or for strategic applications.



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from more than 80 countries on: www.scilab.org

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