



Why scilab?

- Free & open-source, user-friendly numerical and computational package
- Used various streams of science & engineering
- Available for various operating systems(OS) viz Windows, Linux & Mac OS

Scilab is pronounced with ‘SCI’ as in Scientific & ‘LAB’ as in the laboratory.



Why scilab?

Because Scilab is free & open-source software(FOSS)

User can:

- See & modify the source code
- Redistribute and improve the source code
- Use the software for any purpose

This is an obvious advantage for private industries, entrepreneurs, defence establishments, research organizations, academic institutions, and individual user

As an Government organisation, PIRACY of commercial packages is avoided fully by adopting FOSS tools

- Skills learned using Scilab at the academic level are later useful in the industry as usage is free of cost



Why scilab?

Scilab together with various toolboxes, which are also free, can perform operations like:

- Matrix operations
- Control systems
- Image and video processing(SIVP)
- Real-time control of hardware (Serial toolbox)
- simulation(Xcos-block diagram simulator)
- Plotting



Why scilab?

The benefits of using Scilab

- The syntax is very easy
- Many numerical problems can be expressed in a reduced number of code lines, compared to similar solutions using traditional languages

Some organizations that are using Scilab **very successfully** are

- CNES(French Space Satellite Agency)
- EQUALIS
- Techpassiontech
- IIT Bombay(Research/Academic Purposes)