ITC Lab Software List

This list contains the software available on ITC Lab machines as of Spring 2017. It is categorized by operating system; a brief description of the software is available as well.

Table of Contents

Windows-only

7-Zip: file archiver

ActivePerl: commercial version of the Perl scripting language

ActiveTCL: TCL distribution

Adobe Acrobat Reader: PDF reading and editing software

Adobe Creative Suite: graphic art, web, video, and document design programs

- Animate
- Audition
- Bridge
- Dreamweaver
- Edge Animate
- Fuse
- Illustrator
- InCopy
- InDesign
- Media Encoder
- Muse
- Photoshop
- Prelude
- Premiere
- SpeedGrade

ANSYS: engineering simulation software

ArcGIS: mapping software

Arena: discrete event simulation

Autocad: CAD and drafting software

Avogadro: molecular visualization/editor

CDFplayer: software for Computable Document Format files

ChemCAD: chemical process simulator

- ChemDraw

Chimera: molecular visualization

CMGL: oil/gas reservoir simulation software

Cygwin: approximate Linux behavior/functionality on Windows

deltaEC: simulation and design environment for thermoacoustic energy conversion

DropBox: cloud file storage

EndNote: bibliography software

Erdas: remote sensing/image processing

Flash Player: medial player for files created with Adobe Flash

- Flash Player Plugin

Ghostscript.app: Postscript and PDF reader/renderer

Git: version control and collaboration software

Google Drive: cloud file storage

Google Earth: mapping and terrain visualization software

HEC-HMS: hydrologic modeling software

HEC-RAS: river modeling software

Hydrus1D: hydrologic modeling software, including solute transport

Internet Explorer: web browser

JDK: Java SE Development Kit

KeePass: password manager

LabVIEW: visual programming language environment

- ELVISmx
- Mathscript
- Control Design

LISA: finite element analysis program

Mathcad: engineering calculation software

Mathematica: computation with Wolfram Language functions

Mendeley Desktop: research network and data sharing software

Microsoft HPC Pack: High performance computing utilities

Microsoft Office: spreadsheet, presentation, email, and document creation programs

- Word
- Excel
- PowerPoint
- OneNote
- Outlook
- Publisher
- Access

miktex: Tex/LaTex for Windows

MinGW: create software with a GNU-like environment on Windows

MiniTab: statistics calculation and visualization software

Nanotube Modeler: generates xyz coordinates for Nanotubes and Nanocones

NetLogo: programming and modeling software

Notepad++: text editor

OneDrive: cloud file storage

Palisade Decision Tools: risk analysis and decision making software

PetroMod: petroleum modeling software for sedimentary basins

Powershell 5.1: .Net scripting

PuTTY: SSH and Telnet client

Python: programming language

- Python 2 and 3

QuickField: stress simulation program

R Project and R Studio: statistical computation and modeling software

Safe: data integration software

SAS: data analytics software

SeisWare: Geologic and seismic interpretation

Silverlight: interactive web content creation

Sketchpad: CAD and drafting software

SolidWorks: CAD and drafting software

Star-CCM+: multidisciplinary simulation program

StarLogo tng: 3D simulation and programming environment

VIDLE for VPython: a version of IDLE for Python

Virtual Clone Drive: mount and unmount ISO files

VMD (Visual Molecular Dynamics): molecular modeling/visualization

WXMaxima: algebra system

Xming: X Window System Server for Windows

Linux-only

AbiWord: word processing program

alsamixer: graphical sound mixer

Atomic Simulation Environment: atomistic simulation software

Atril: Computer Aided Translation software

Audacious: audio player

Audacity: cross-platform audio mixing, recording, and editing software

Bluefish: advanced text editor

Brasero: CD/DVD burner

Darktable: virtual light table and darkroom

dconf Editor: low-level config file editor

Dia: diagram creation program

EasyTAG: edit tags in audio files

Eclipse: IDE for Java

Evolution: email program

Filelight: file and folder storage/free space visualization

Galculator: scientific calculator

Geequie: image viewer

GHex: hex editor

GNOME apps: general purpose GNOME applications

- Calculator
- Cheese: webcam app
- Disks: media management
- Gnote: note-taker
- Empathy: messaging program
- Evince: document viewer

- Eye of GNOME: image viewer
- File Roller: archive manager
- Font Viewer
- Gedit: text editor
- Gvim: text editor
- Maps
- MPlayer
- Music
- Nautilus: file manager for Mint distribution
- Photos
- Shotwell: photo manager
- Sound Recorder
- Terminal
- Totem: video playback
- Tweak Tool
- Vinagre: remote desktop viewer

GNU Octave: scientific programming language

Gpick: advanced color picker/palette editor

GPicView: image viewer for X Window

Grace: 2D plotter for X Window

GTKTerm: terminal program

Guake: drop-down terminal

Gwrite: text editor/simple word processor

HexChat: cross-platform, internet chat

Inkscape: a vector-graphics creator and editor

KDE apps: general purpose KDE applications

- Dolphin: file manager
- Gwenview: image viewer
- JuK: music player

- K3b: CD/DVD burner
- Kate: text editor
- KCalc
- Kdenlive: video editor
- KFontview: view and install new fonts
- KMail
- KMix: sound mixer
- KNotes
- Konqueror: file manager
- Konsole: terminal emulator
- Kopete: instant messaging
- KWrite: text editor
- Okular: universal document viewer

Kdiff3: cross-platform file merge and difference tool

Krita: digital painting

LXDE apps: general purpose LXDE applications

- Leafpad: text editor
- LXMusic
- LXTerminal
- PCManFM: file manager

LyX: document/word processor for LaTeX

MATE apps: general purpose MATE applications

- Caja: file manager
- Engrampa: archive manager
- Eye of Mate: image viewer
- LXMusic
- LXTerminal
- MATE Terminal
- PCManFM: file manager
- Pluma: text editor

Meld: visual file merge and difference tool

Midnight Commander: visual file manager

Nemo: file manager for Cinnamon distribution

Paraview: multi-platform data analysis and visualization

pavucontrol: mixer for GTK+

PDF-Shuffler: merge and split PDF documents

Pidgin: chat client

Polari: internet messaging/chat

ReText: markup editor

Rhythmbox: audio player and organizer

ROXTerm: terminal emulator

RXVT: X terminal emulator

Scribus: desktop publisher

Sound Juicer: CD ripper

Terminology: terminal emulator

Texmaker: cross-platform LaTeX editor

UCSF Chimera: visualize and interact with molecules and molecular structures

Wireshark: network protocol analyzer

XaoS: interactive fractal viewer/zoomer

Xarchiver: archive manager

Xchat: chat/messenger

XEmacs: graphical and console based text editor

Xfce apps: general purpose Xfce applications

- Mousepad: graphical text editor
- Orage: calendar
- Parole: media player
- Ristretto: image viewer
- Thunar: file manager
- Xfburn
- Xfce Notes
- Xfce Terminal

xfig: diagramming tool

Xpdf: open-source PDF viewer

XSane: saves images to files

Both

Arduino IDE: Integrated Development Environment for Arduino

Blender: 3D modeling and animation software

ComSOL Multiphysics: physics and engineering modeling/simulation software

Emacs: graphical and console based text editor

FileZilla: cross platform File Transfer Protocol client

GIMP: image manipulation software

Google Chrome: web browser

LibreOffice: word processing, presentation, calculation, database, and spreadsheet software

- Writer
- Calc
- Impress
- Draw
- Math
- Base

Maple: math calculation and visualization software

MATLAB: mathematical, engineering, and scientific problem-solver/programming language

Mozilla Firefox: web browser

PyMOL: molecular visualization system

R: statistical computation and modeling software

Thunderbird: e-mail program

Vim: text editor

VLC: media player for movies and music