

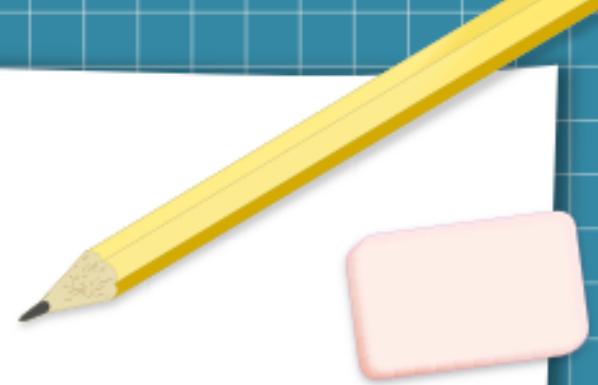


Linux Users' Group of Davis Presents:

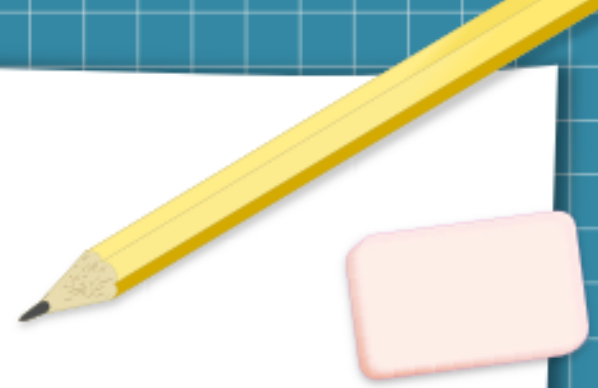
**Getting Started With Free & Open
Source Software**

The FOSS Choice

- Free as in beer pizza: no cost to you
- Free as in Freedom: the ethical choice
- Powerful and flexible software
- Use your choice of new or older computers
- Community development model
- Contribute to software yourself: code, documentation, or advocacy



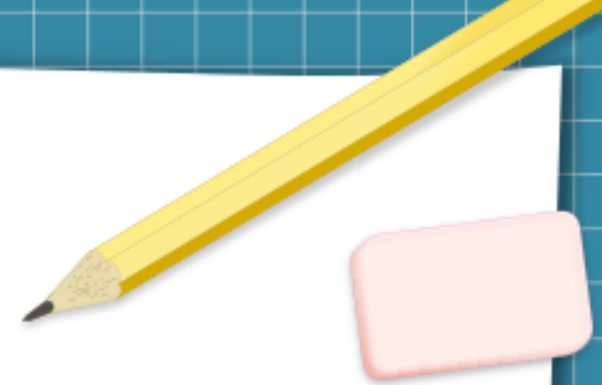
Mozilla Firefox



moz://a

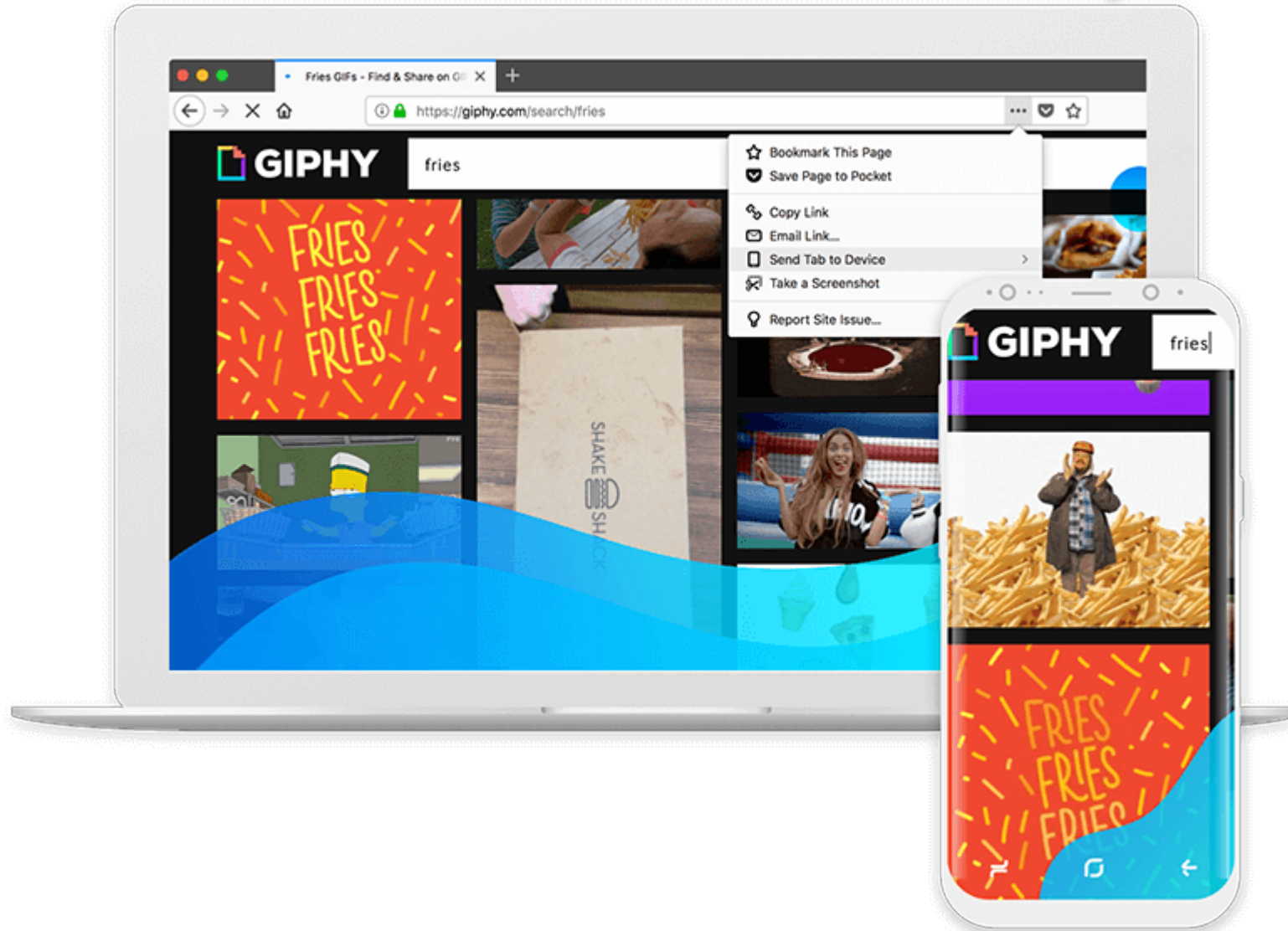


Mozilla Firefox



- <https://www.mozilla.org/en-US/firefox/>
- Web browser available for Windows, Apple, and Linux
- Replace Apple Safari, Google Chrome, Microsoft Edge or Explorer
- Faster page loading
- Lower memory use
- Better battery life
- Tracking protection and private browsing
- Containerized tabs
- Mobile version bookmark sync with desktop
- Thousands of free extensions including annotation, text highlighting, creating citations, ad-blocking, password management, privacy, security, shopping, and more

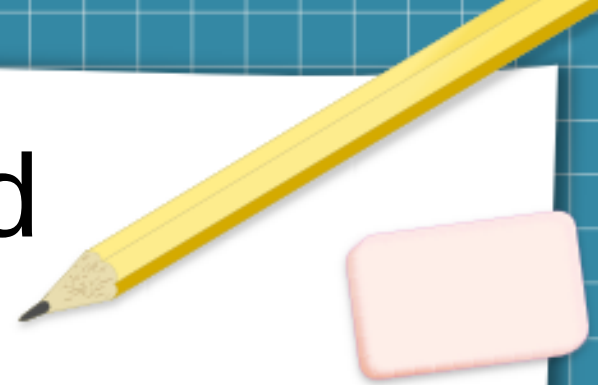
Mozilla Firefox



Mozilla Thunderbird

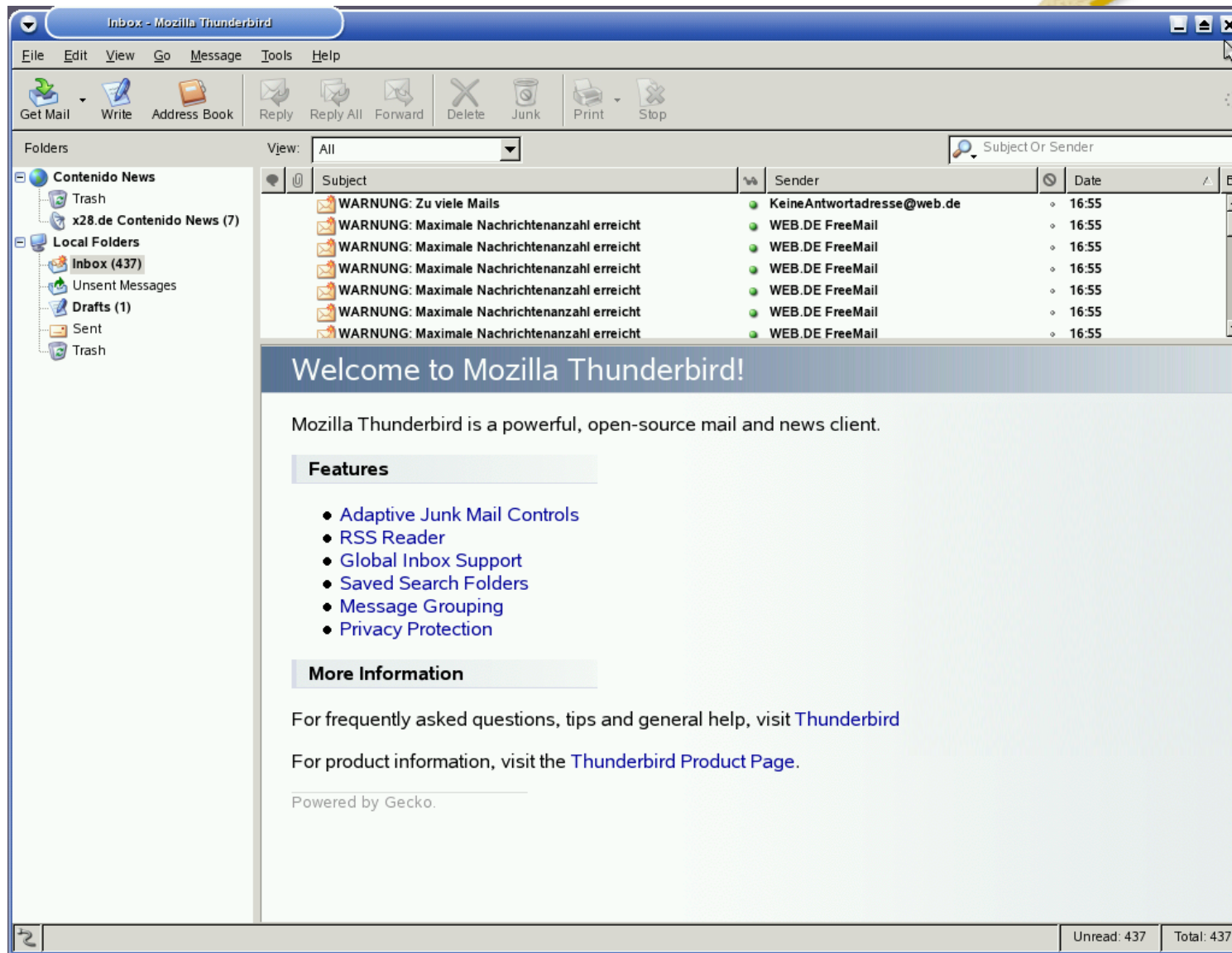


Mozilla Thunderbird



- <https://www.thunderbird.net/en-US/>
- Available for Windows, Apple, and Linux
- Program to replace Microsoft Outlook or web-based email interfaces
- Manage multiple email addresses from one program
- Compatible with Gmail, Yahoo, Microsoft Live/Outlook.com, UC Davis student email, and other email providers
- Avoid webmail interfaces, download and your mail to your computer
- Flexible and powerful with thousands of extensions for organizing and sorting mail, autoreplies, encryption and privacy, managing contact lists, and more

Mozilla Thunderbird



The screenshot displays the Mozilla Thunderbird email client interface. The window title is "Inbox - Mozilla Thunderbird". The menu bar includes File, Edit, View, Go, Message, Tools, and Help. The toolbar contains icons for Get Mail, Write, Address Book, Reply, Reply All, Forward, Delete, Junk, Print, and Stop. The left sidebar shows the folder structure: Contenido News (Trash, x28.de Contenido News (7)), Local Folders (Inbox (437), Unsent Messages, Drafts (1), Sent, Trash). The main pane shows a list of messages with columns for Subject, Sender, and Date. The messages are all warnings from WEB.DE FreeMail. Below the message list is a "Welcome to Mozilla Thunderbird!" section with a description of the client, a list of features, and links for more information. The status bar at the bottom right shows "Unread: 437" and "Total: 437".

File Edit View Go Message Tools Help

Get Mail Write Address Book Reply Reply All Forward Delete Junk Print Stop

Folders View: All Subject Or Sender

Subject	Sender	Date
⚠️ WARNUNG: Zu viele Mails	KeineAntwortadresse@web.de	16:55
⚠️ WARNUNG: Maximale Nachrichtenanzahl erreicht	WEB.DE FreeMail	16:55
⚠️ WARNUNG: Maximale Nachrichtenanzahl erreicht	WEB.DE FreeMail	16:55
⚠️ WARNUNG: Maximale Nachrichtenanzahl erreicht	WEB.DE FreeMail	16:55
⚠️ WARNUNG: Maximale Nachrichtenanzahl erreicht	WEB.DE FreeMail	16:55
⚠️ WARNUNG: Maximale Nachrichtenanzahl erreicht	WEB.DE FreeMail	16:55
⚠️ WARNUNG: Maximale Nachrichtenanzahl erreicht	WEB.DE FreeMail	16:55

Welcome to Mozilla Thunderbird!

Mozilla Thunderbird is a powerful, open-source mail and news client.

Features

- [Adaptive Junk Mail Controls](#)
- [RSS Reader](#)
- [Global Inbox Support](#)
- [Saved Search Folders](#)
- [Message Grouping](#)
- [Privacy Protection](#)

More Information

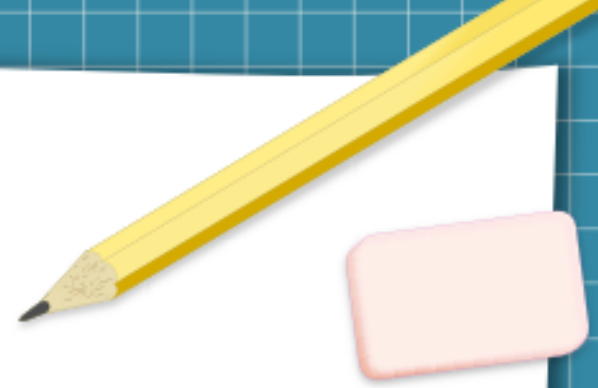
For frequently asked questions, tips and general help, visit [Thunderbird](#)

For product information, visit the [Thunderbird Product Page](#).

Powered by Gecko.

Unread: 437 Total: 437

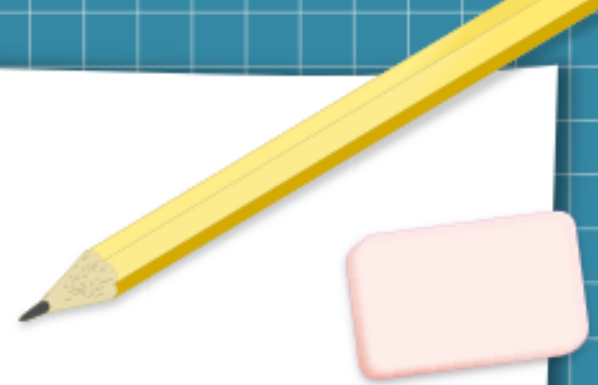
Libre Office



LibreOffice®

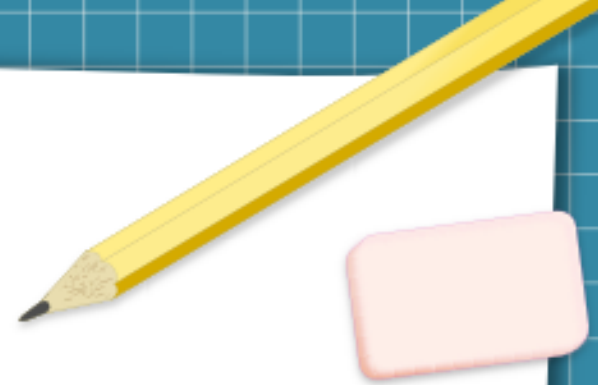


Libre Office



- <https://www.libreoffice.org/>
- Runs on Windows, Apple, or Linux
- Office suite to replace MS Office/365 or Apple products
- LO Writer – Word processor (Word, Pages)
- LO Impress – Presentation slides (Powerpoint, Keynote)
- LO Calc – Spreadsheets (Excel, Numbers)
- LO Base – Databases (Access)
- LO Draw – Diagrams
- LO Math – Formula editor

Libre Office



- Uses free and open Open Document Format standard (.odt text, .ods spreadsheet, .odp presentations, and .odg illustrations)
- Able to load and save Word, Excel, and Powerpoint documents (.docx, .xls, .ppt)
- Fast, clean interface
- Powerful features like any other office suite
- Runs well on older hardware

Libre Office



The screenshot displays the LibreOffice Writer interface. The title bar reads "GS50-GettingStartedLO.odt - LibreOffice Writer". The menu bar includes "File", "Edit", "View", "Insert", "Format", "Styles", "Table", "Tools", "Window", and "Help". The toolbar contains various icons for text and document manipulation. On the left, the "Navigator" pane is open, showing a tree view with categories like "Headings", "Tables", "Text frames", "Images", "OLE objects", "Bookmarks", "Sections", "Hyperlinks", "References", "Indexes", "Comments", and "Drawing objects".

A "Spelling and Grammar: English (USA)" dialog box is open in the foreground. It features a "Text language:" dropdown set to "English (USA)". Below this, a text area contains the message: "In addition to the usual features of a word processor (spelling check, thesaurus, hyphenation, **autocorrect**, find and replace, automatic generation of tables of contents and indexes, mail merge and others), Writer provides these important features:". To the right of this text are buttons for "Ignore Once", "Ignore All", and "Add to Dictionary".

Under the "Not in dictionary" section, a "Suggestions" list shows "auto correct" as the top suggestion, followed by "auto-correct" and "corrector". A "Correct" button is positioned to the right of the "auto correct" suggestion. Below the list are buttons for "Correct All" and "Always Correct".

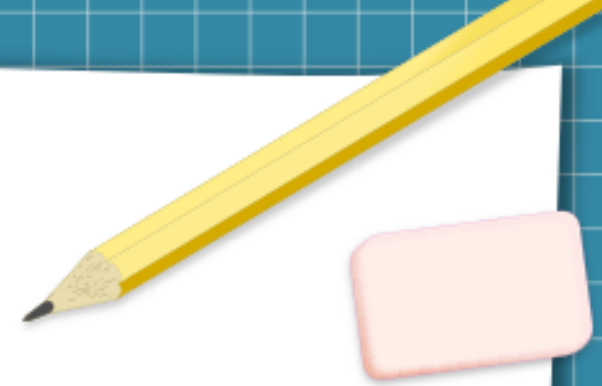
At the bottom of the dialog, there is a checked checkbox for "Check grammar" and a "Help" button. On the right side of the dialog, there are "Options...", "Undo", and "Close" buttons.

The status bar at the bottom of the window shows "Page 80 of 388", "113,658 words, 651,028 characters", "Default Style", "English (USA)", and a zoom level of "120%".

Visible text in the background document includes "ter?", "proces", "g chec", "generation of tables of c", and "important features:". A bulleted list is also visible:

- Templates and st
- Page layout meth
- Automated tables of contents and indexes
- Embedding or linking of graphics, spreadsheets, and other objects

Libre Office



Calc figures.ods - LibreOffice Calc

File Edit View Insert Format Sheet Data Tools Window Help

Arial 10 B I U T A

K5 f_x Σ = 40% RH

	A	B	C	D	E	F	G	H	I	J	K	L
1											Tugevus 0	
2								D	D	F		
3								3	3.0	5		
4												
5		N 0 0						Veesis	Veesisal	0% RH	40% RH	65% RH
6		N 0 0	n001			1	N00					
7		N 0 0	n002			2	N00	0.0	0.0	69.93		
8		N 0 0	n003			3	N00	0.0	0.0	95.66		
9		N 0 0	n004			4	N00	0.0	0.0	94.19		
10		N 0 1										
11		N 0 1	n011			21	N01	0.0	0.0	87.68		
12		N 0 1	n012			22	N01	0.0	0.0	70.64		
13		N 0 1	n013			23	N01	0.0	0.0	71.01		
14		N 0 1	n014			24	N01					
15		N 0 2										
16		N 0 2	n021			41	N02	0.0	0.0	68.99		
17		N 0 2	n022			42	N02					
18		N 0 2	n023			43	N02	0.0	0.0	87.68		
19		N 0 2	n024			44	N02	0.0	0.0	71.78		
20		N 0 3										

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80.00
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40.00

gevus pikikiudu [MPa]

Functions

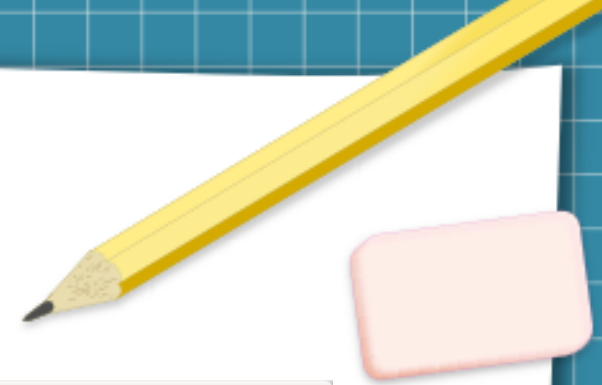
f_x All

- ABS
- ACCRINT
- ACCRINTM
- ACOS
- ACOSH
- ACOT
- ACOTH
- ADDRESS
- AGGREGATE
- AMORDEGRC
- AMORLINC
- AND
- ARABIC
- AREAS
- ASC
- ASIN
- ASINH
- ATAN
- ATAN2
- ATANH
- AVERAGE

ABS:
Number
Absolute value of a number.

Sheet 10 of 12 Default Average: ; Sum: 0 140%

Libre Office

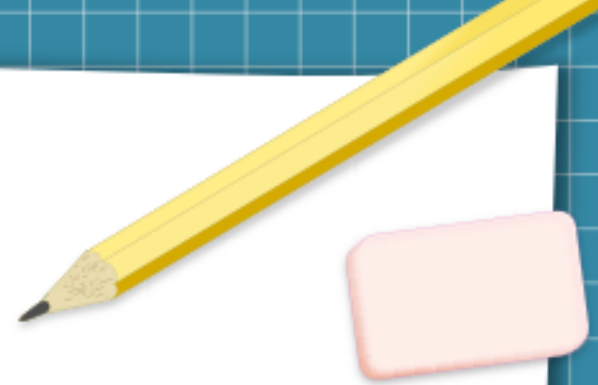


The screenshot displays the LibreOffice Impress interface. The main window shows a presentation slide with the following content:

- Slide title: Migration protocol
- Author: Sophie Gautier
- Organization: The Document Foundation

The slide also features the LibreOffice logo and a decorative background of green triangles. The interface includes a menu bar (File, Edit, View, Insert, Format, Slide, Slide Show, Tools, Window, Help), a toolbar, and a Properties panel on the right. The Properties panel shows settings for the slide, such as Format (Screen 4:3), Orientation (Landscape), Background (None), and Master Slide (First Slide). The Layouts panel shows various slide layouts, with the current layout selected. The status bar at the bottom indicates the current slide is Slide 1 of 6, First Slide, and the zoom level is 61%.

Libre Office



Untitled 1 - LibreOffice Math

File Edit View Format Tools Window Help

Examples

$C = \pi \cdot d = 2 \cdot \pi \cdot r$

$E = mc^2$

$a^2 + b^2 = c^2$

$f(x) = \sum_{i=0}^{\infty} \frac{f^{(i)}(0)}{i!} x^i$

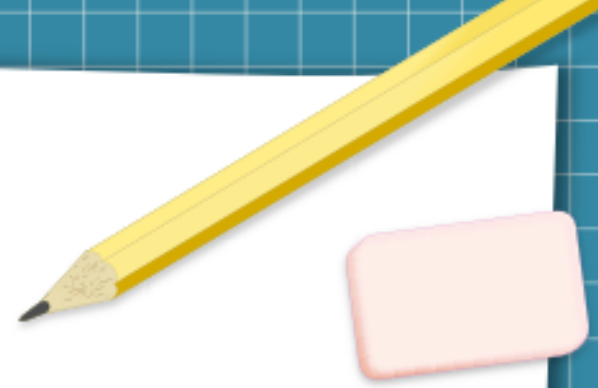
$f(x) = \frac{1}{\sigma \sqrt{2\pi}} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$

$f(x) = \sum_{i=0}^{\infty} \frac{f^{(i)}(0)}{i!} x^i$

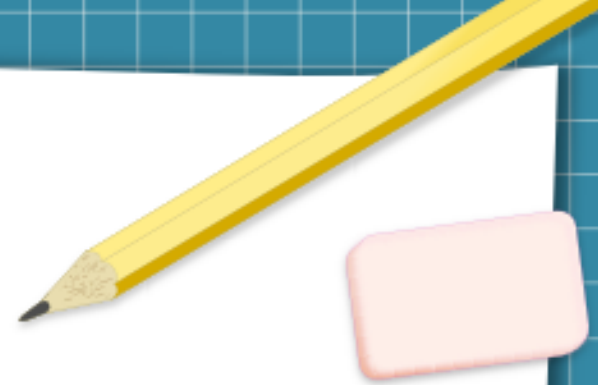
f (x) = sum from { { i = 0 } } to { infinity } { { f^{(i)}(0) } over { i! } x^i }

350%

Inkscape

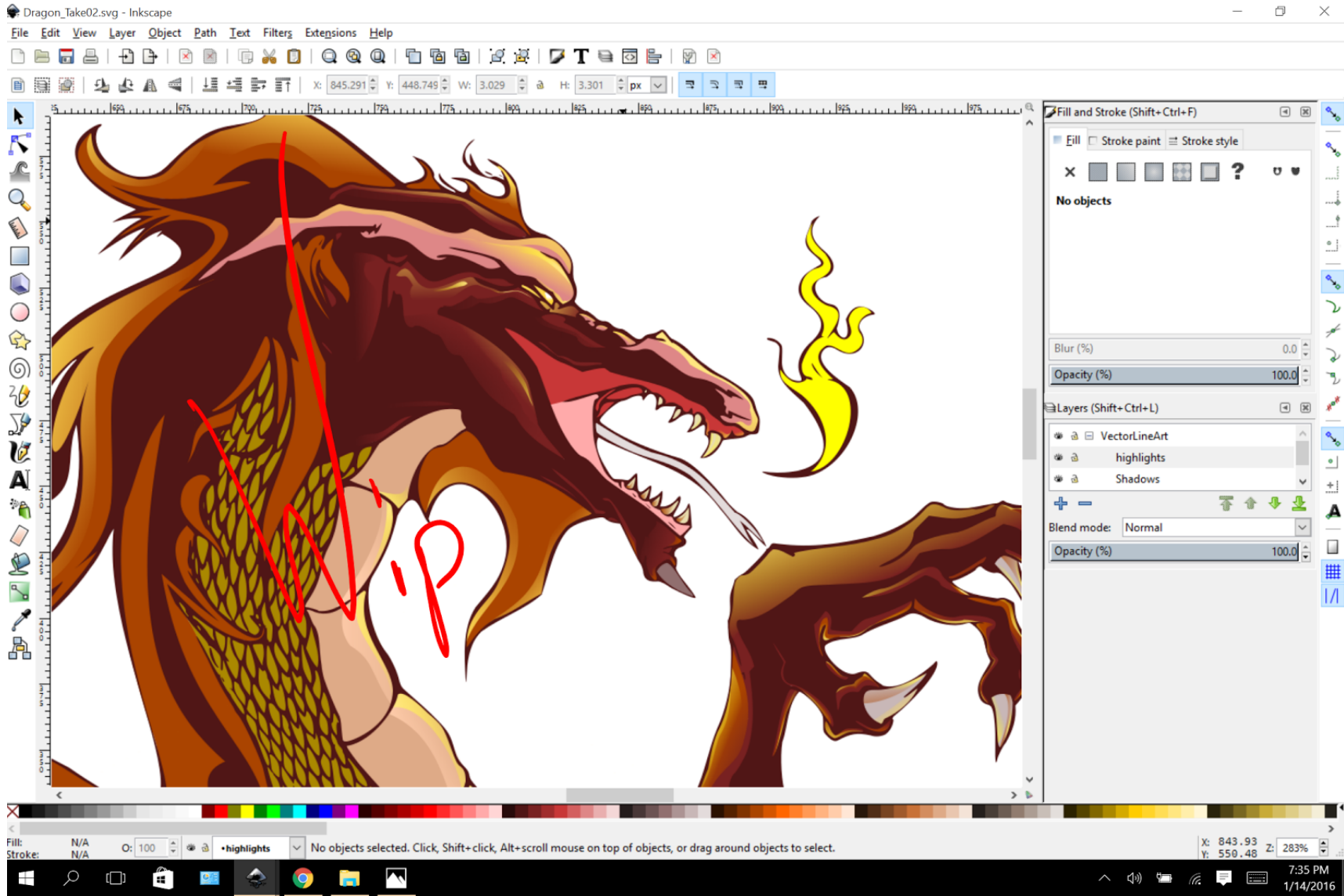
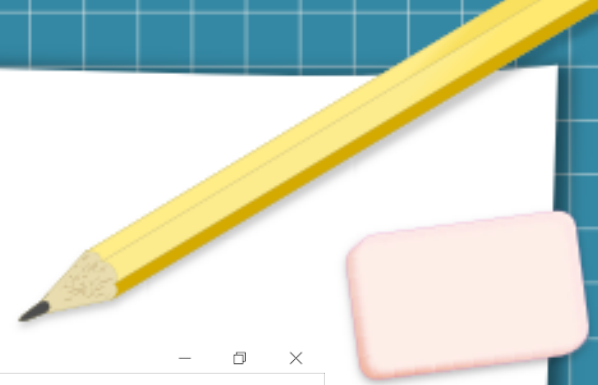


Inkscape

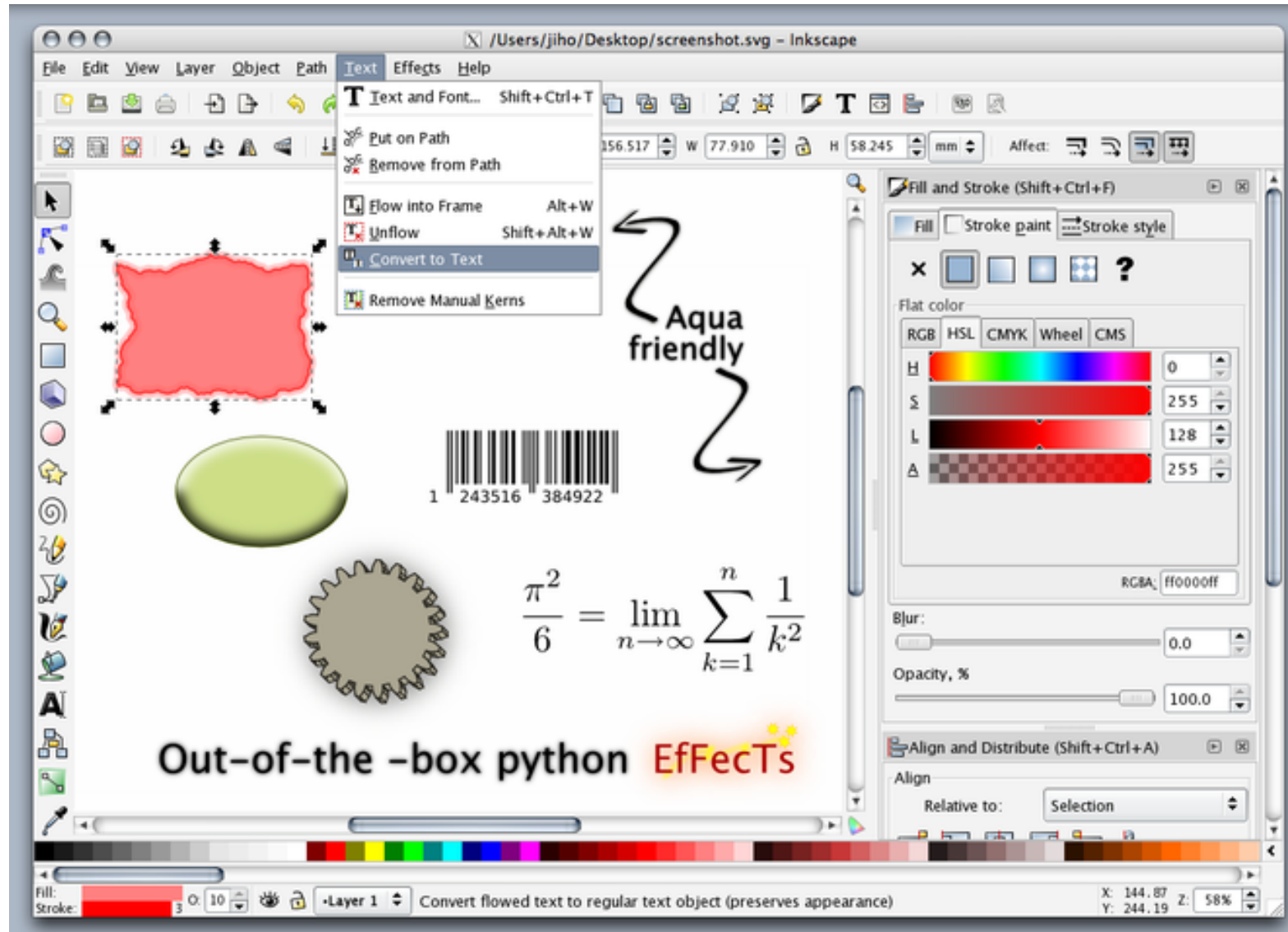


- <https://inkscape.org/en/>
- Available for Windows, Apple, and Linux
- Vector image drawing for graphics, illustrations, and artwork
- Draw and render professional-grade images
- Wide filetype support, including SVG, PNG, ODG, PDF, EPS, PS

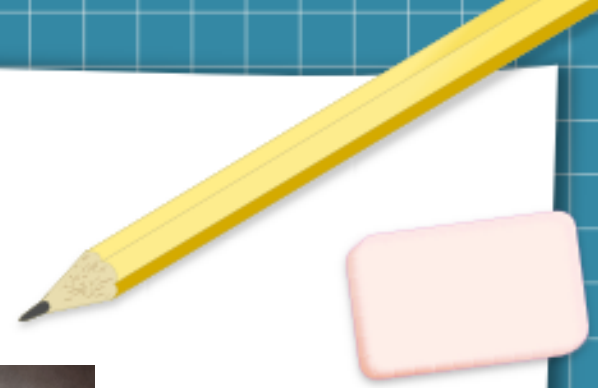
Inkscape



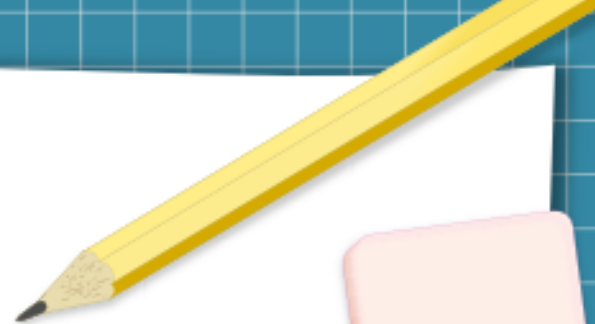
Inkscape



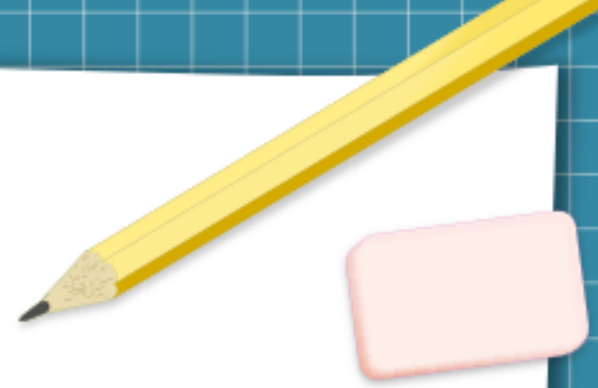
Inkscape



Krita

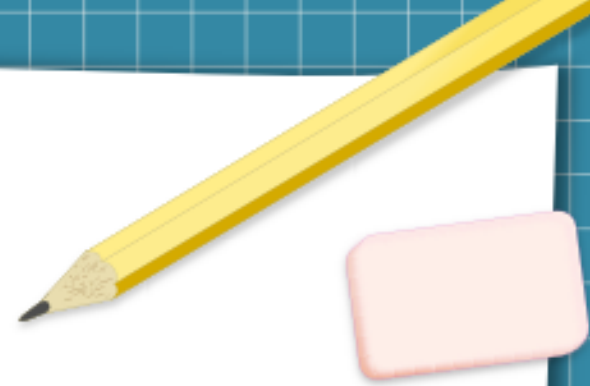


Krita

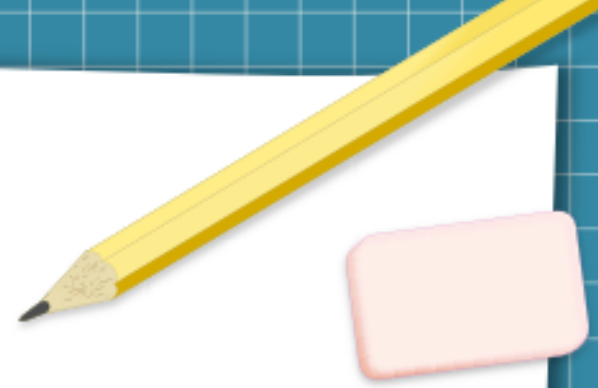


- <https://krita.org/en/>
- Available for Windows, Apple, and Linux
- Digital painting and artwork program
- Especially for “illustrations, concept art, matte painting, textures, comics and animations”
- Highly developed and powerful software

Krita



The R Project



The R Project



- <https://www.r-project.org/>
- Available for Windows, Apple, and Linux
- The R Project for Statistical Computing environment
- R programming language
- For “linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering” and other statistical techniques
- Graphics and charts
- Extremely flexible and extensible
- Used heavily in academia and the business world
- Very common in a wide range of UC Davis math, statistics, and science courses in a wide range of disciplines

The R Project



The screenshot displays the R RStudio environment with several windows open:

- R Console:** Shows the following R code:

```
rgl.sr> ylim <- ylim[2] - ylim[1] + 1
rgl.sr> colorlut <- terrain.colors(ylim)
rgl.sr> col <- colorlut[y - ylim[1] + 1]
rgl.sr> rgl.clear()
rgl.sr> rgl.surface(x, z, y, color = col)
```
- R Data Editor:** Displays a table with two columns: height and weight.

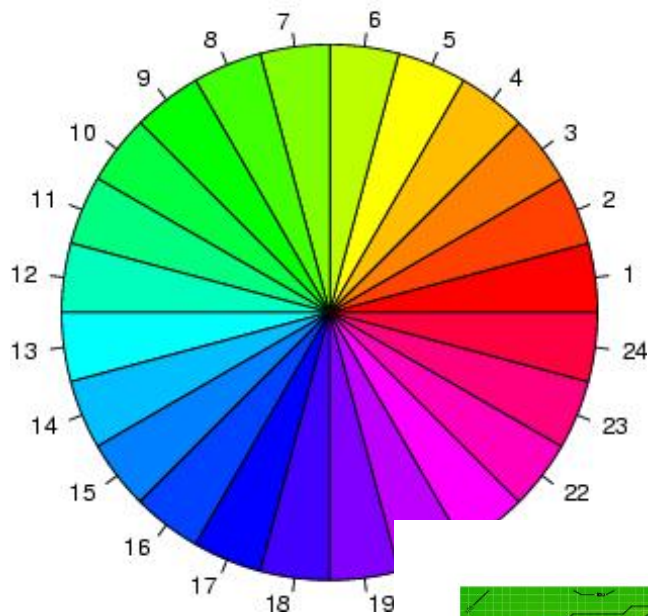
height	weight
58	115
59	117
60	120
61	123
62	126
63	129
64	132
65	135
66	139
67	142
68	146
69	150
70	154
71	159
72	164
- Quartz (2) - Active:** Shows a 2D plot of a terrain surface with axes labeled 'long' and 'lat'. The plot title is 'Given : depth'.
- R Workspace Browser:** Lists the objects in the workspace:

Object	Type	Structure
dati	data.frame	dim: 20 4
g	factor	levels: 10
l	numeric	length: 12
n	numeric	length: 1
opar	list	length: 2
pie.sales	numeric	length: 6
pin	numeric	length: 2
scale	numeric	length: 1
usr	numeric	length: 4
women	data.frame	dim: 15 2
height	numeric	length: 15
weight	numeric	length: 15
x	numeric	length: 87
- R Package Manager:** Shows a list of installed and available packages:

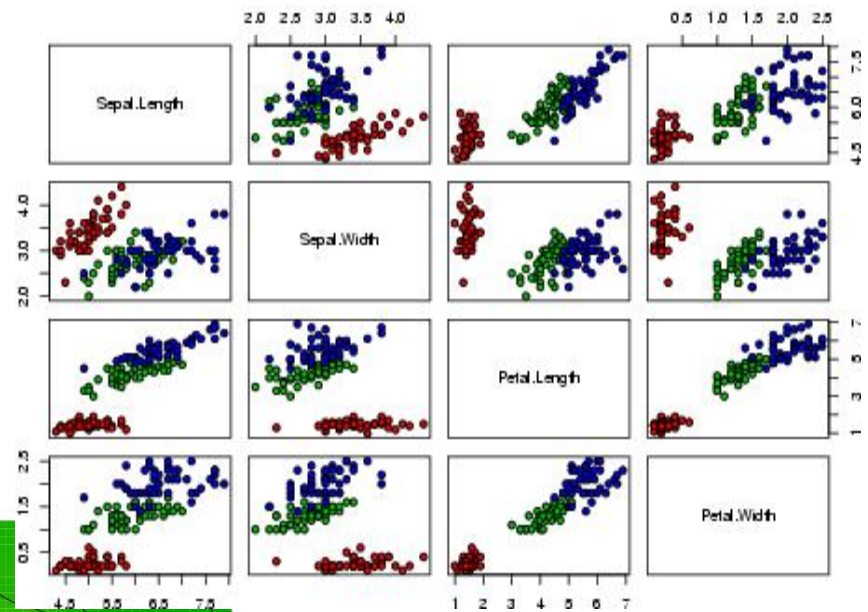
status	Package	Description
<input checked="" type="checkbox"/>	graphics	The R Graphics Package
<input type="checkbox"/>	grid	The Grid Graphics Package
<input type="checkbox"/>	lattice	Lattice Graphics
<input checked="" type="checkbox"/>	methods	Formal Methods and Classes
<input type="checkbox"/>	rgl	CAMs with OpenGL smoothness estimation
- RGL device 1 (active):** Shows a 3D terrain plot with a color gradient from green to yellow.

The R Project

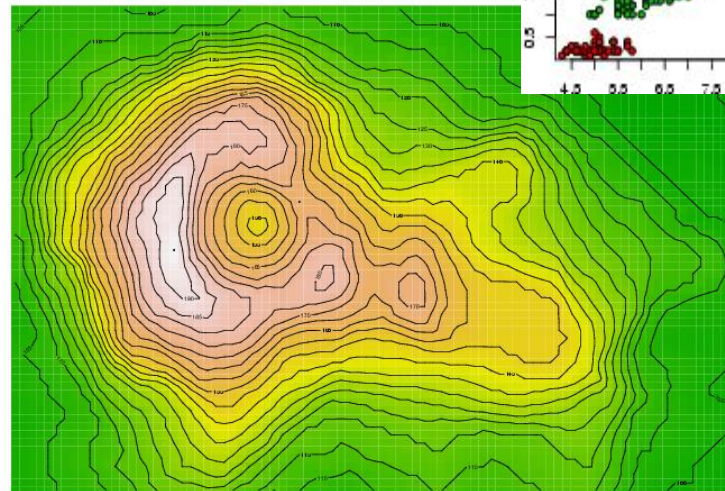
A Sample Color Wheel



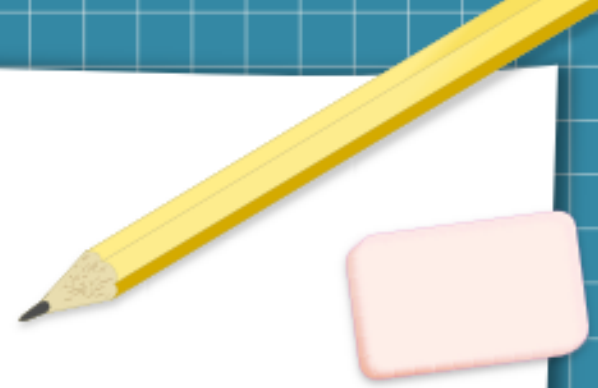
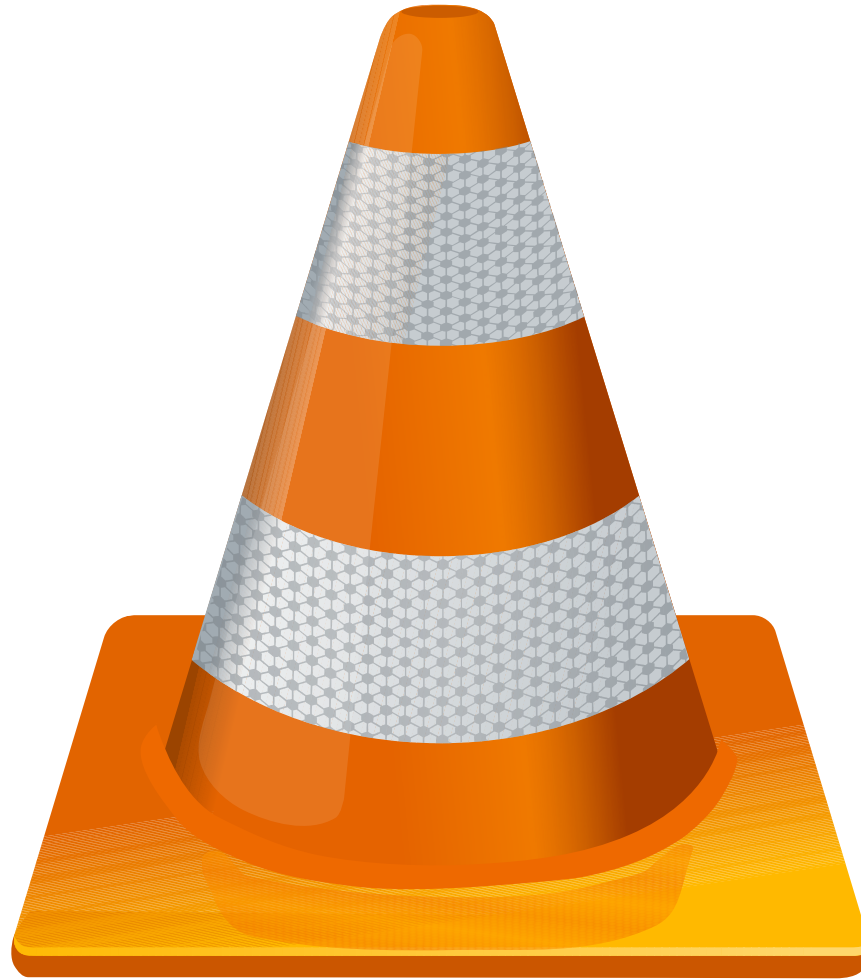
Edgar Anderson's Iris Data



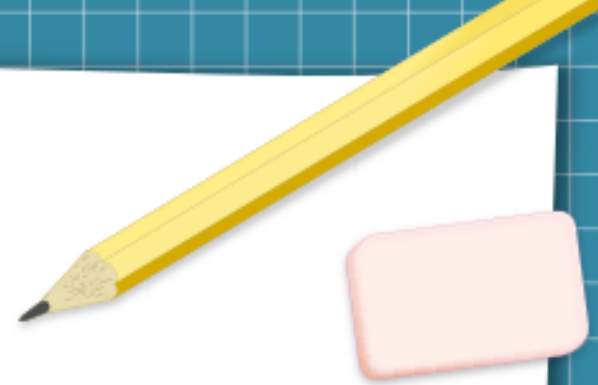
Maunga Whau Volcano



VLC

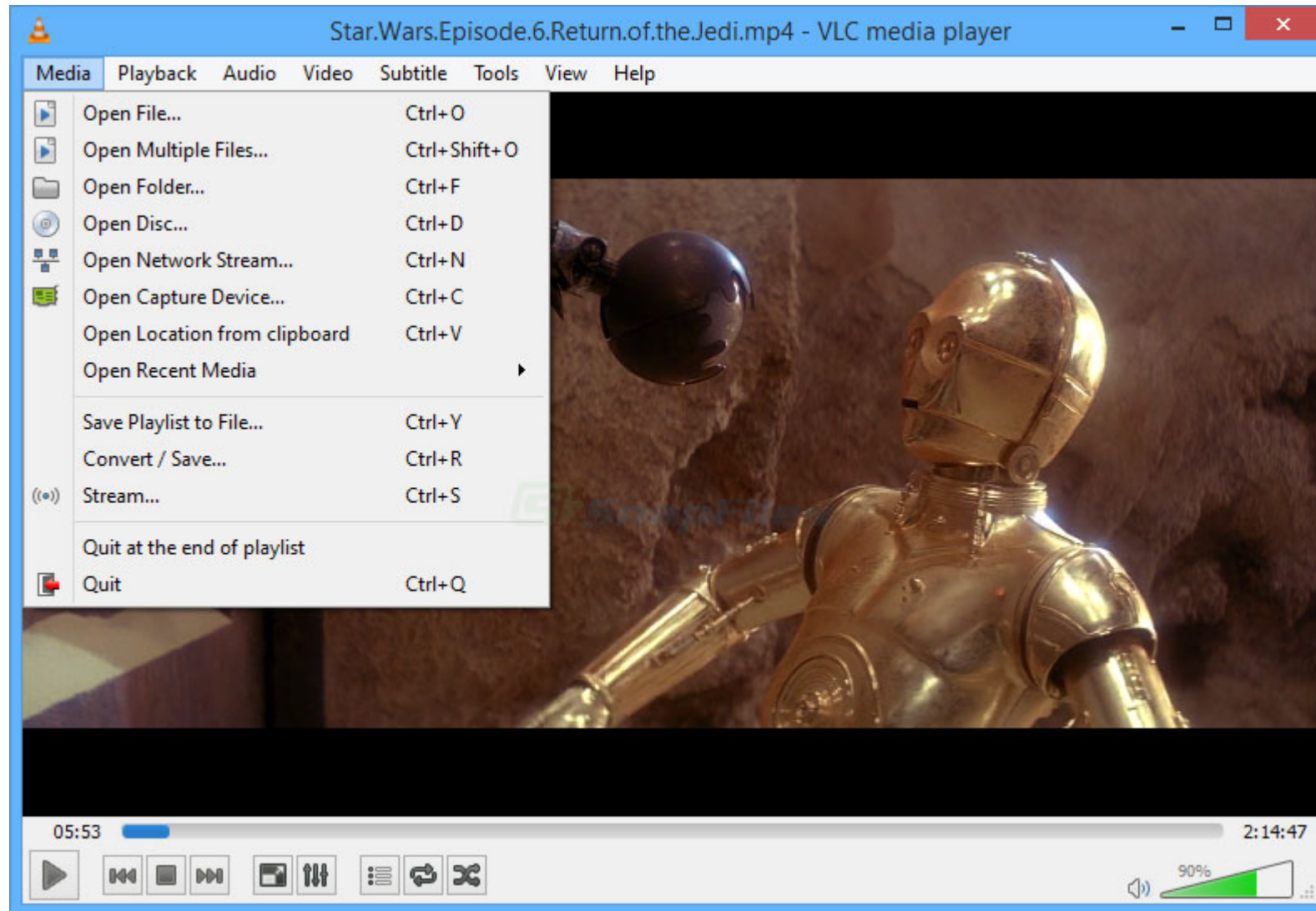


VLC

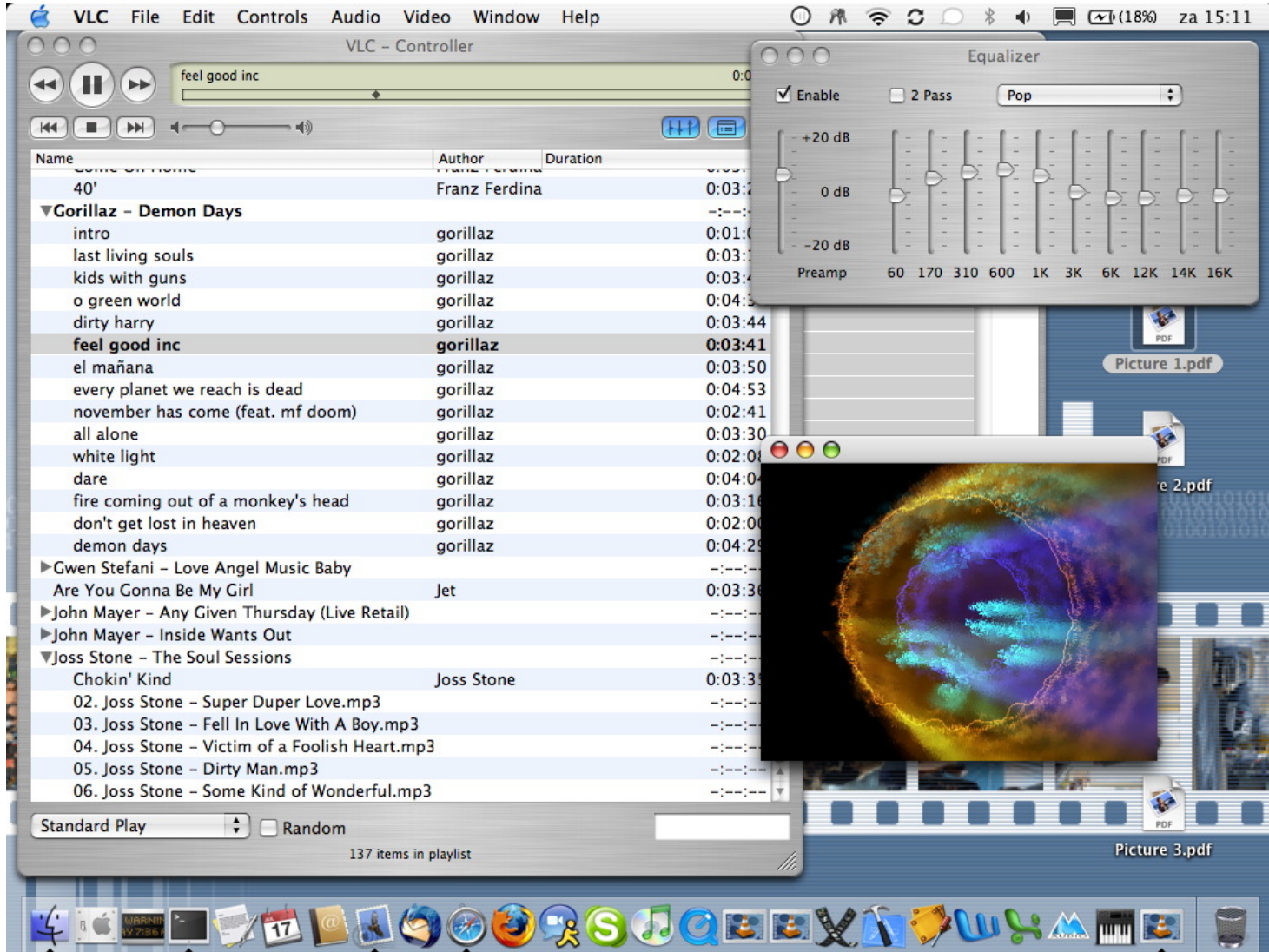


- <https://www.videolan.org/vlc/index.html>
- Available for Windows, Apple, Linux, and more
- Cross-platform media player saved or streamed movies, music, and more
- Play nearly any type of media from any source in any format on any kind of hardware
- Lightweight, extremely powerful, and customizable

VLC



VLC

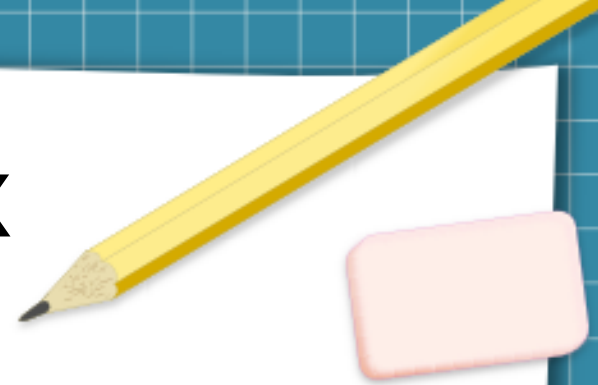


Other FOSS Choices



- Thousands of other high-quality free software choices for every need and skill level
- F-Droid App Store for FOSS applications on your Android phone
- Owncloud or Nextcloud for cloud storage at home
- Wordpress, Jekyll, Pelican, and more for blogging or running your own website
- Pidgin for instant messaging across multiple platforms
- Taskwarrior to-do lists for console cowboys
- Audacity for audio editing
- GnuCash for managing your finances
- GIMP for advanced graphics editing and art
- Notepad++ for quick text or advanced programming
- Blender for advanced 3D rendering
- Calibre to manage your electronic book and text library
- Advanced professional typesetting and document creation with the LaTeX project

Switching to Linux



- Dozens of options for varieties of the Linux operating system
- Many specialty distributions
-

Major Linux Distributions

A yellow pencil and a pink eraser are positioned in the top right corner of the slide, appearing to be on the white paper background.

- Mint
- Debian
- Ubuntu
- Arch
- Fedora
- CentOS
- Manjaro
- OpenSuSE
- Gentoo
- <https://distrowatch.com/search.php?origin=USA>

Specialty Linux Distros



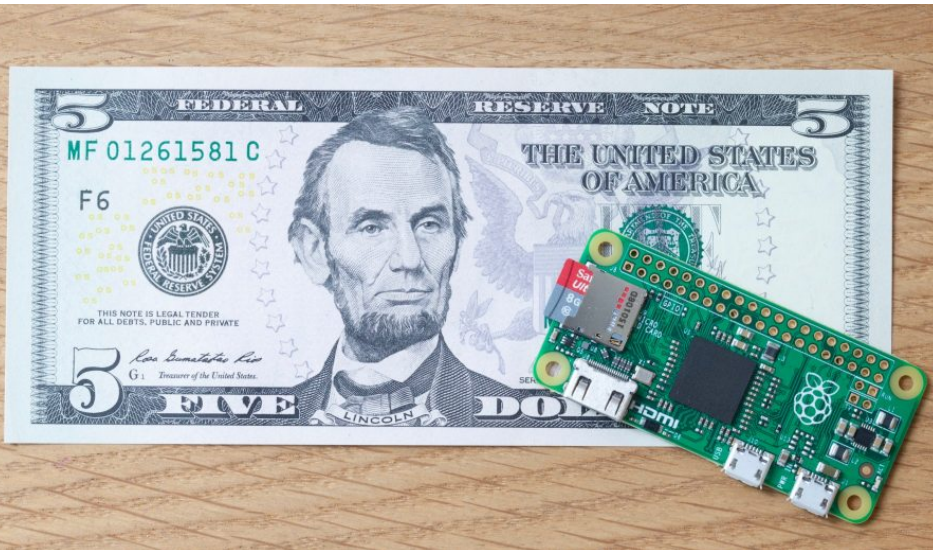
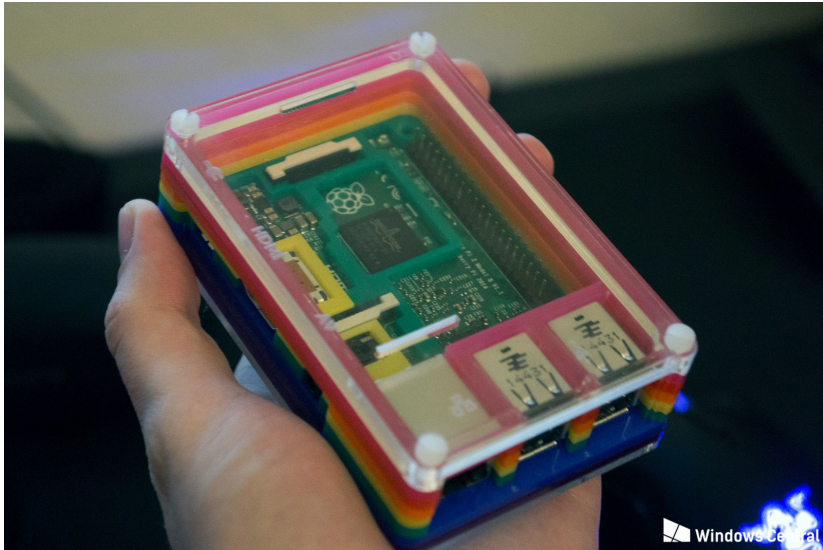
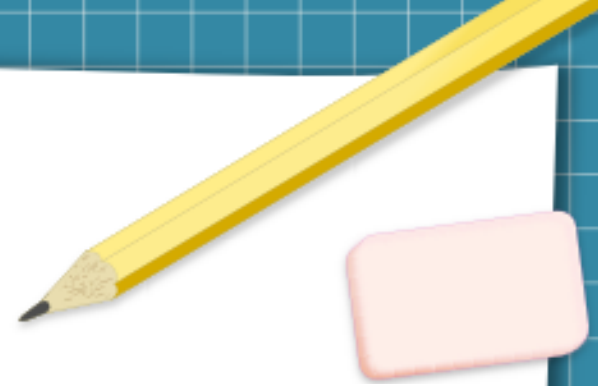
- PCLinuxOS to help transition from Windows
- Ubuntu Studio for video, music, and media editing
- Edubuntu for educational software needs
- Uberstudent for young students
- Neurodebian for neuroscientists
- Scientific Linux for every kind of science
- Lubuntu for efficiency and on older machines
- MuLinux for extreme minimalist installs
- Raspbian for Raspberry Pi minicomputers
- Tails for extreme privacy
- Qubes for extreme security precautions
- GnewSense for Free Software purists
- Ubuntu Christian for the heavenly bodies
- Ubuntu Satanic for the devilishly inclined
- Bodhi Linux for the middle path between efficiency and beauty

Linux Hardware

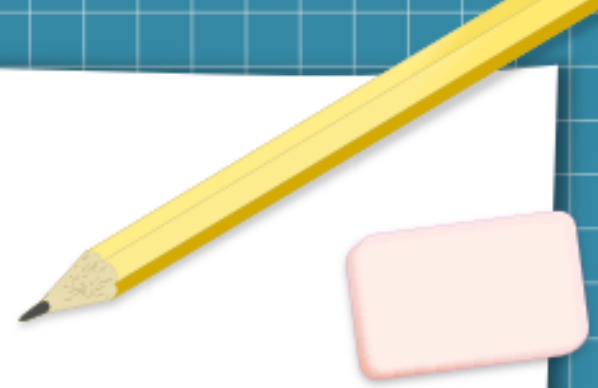
- <https://system76.com/>
- <https://puri.sm/>
- <https://www.dell.com/>



Linux Hardware



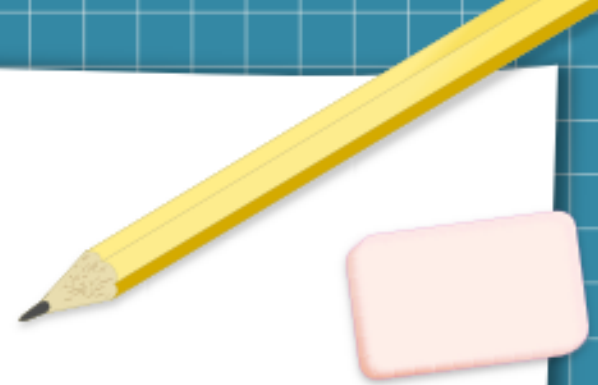
More Links

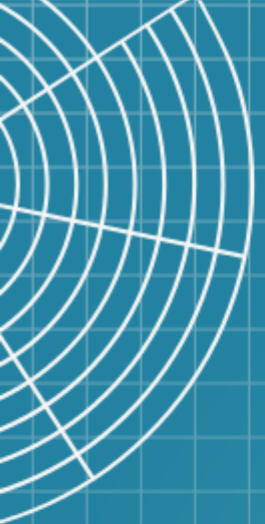


- <https://f-droid.org/en/>
- <https://owncloud.org/>
- <https://nextcloud.com/>
- <https://wordpress.org/>
- <https://jekyllrb.com/>
- <https://blog.getpelican.com/>
- <https://www.pidgin.im/>
- <https://taskwarrior.org/>
- <https://www.gnucash.org/>
- <https://www.gimp.org>
- <http://notepad-plus.sourceforge.net/>
- <http://www.blender.org/>
- <http://calibre-ebook.com/>
- <https://www.latex-project.org/>

More Links

- <http://www.ubuntu.com>
- <http://www.redhat.com>
- <http://www.linuxmint.com>
- <http://www.raspberrypi.org>
- <https://alternativeto.net/>
- <https://opensource.org/>
- <https://www.linux.org/>
- <https://opensource.com/>
-





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