

Application Software

- Application software, also known as an application or an "app", is computer software designed to help the user to perform specific tasks.
- Many application programs deal principally with documents.
- Apps may be bundled with the computer and its system software, or may be published separately.

Application Software

- Application software is contrasted with system software , which manage and integrate a computer's capabilities, but typically do not directly apply them in the performance of tasks that benefit the user.
- The system software serves the application, which in turn serves the user.
- Application software applies the power of a particular computing platform or system software to a particular purpose.

Application Software

- Some common application software include:
 - Office Suites
 - Word Processors
 - Spreadsheets
 - Presentation Software
 - Database Management Systems
 - Web Browsers
 - Graphics software
 - Accounting software etc.

Office Suite

- An office suite, sometimes called an office software suite or productivity suite is a collection of programs intended to be used by knowledge workers.
- The components are generally distributed together, have a consistent user interface and usually can interact with each other, sometimes in ways that the operating system would not normally allow.

Office Suite

- Some Free/Open Source Office suites:
 - OpenOffice.org
 - LibreOffice
 - KOffice
 - Calligra Suite

OpenDocument

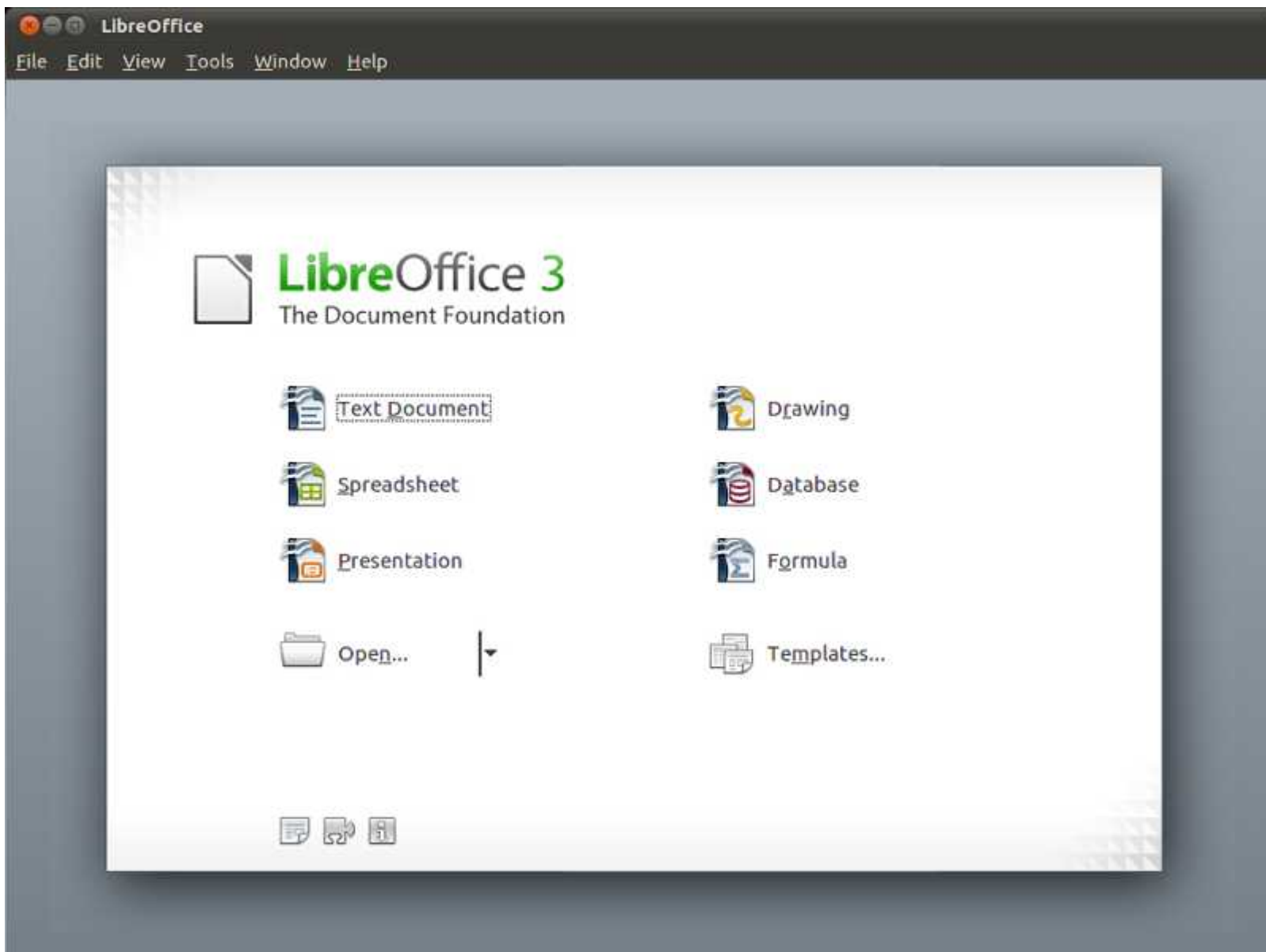
- Incompatible formats.
- Proprietary vendor lockin.
- The Open Document Format for Office Applications (also known as OpenDocument or ODF) is an XML-based file format for representing electronic documents such as spreadsheets, charts, presentations and word processing documents.

OpenOffice.org

- OpenOffice.org originated as StarOffice, an office suite developed by StarDivision and acquired by Sun Microsystems in August 1999.
- The source code of the suite was released in July 2000.
- OpenOffice.org was an open-source version of the StarOffice suite, with development sponsored primarily by Sun Microsystems.
- After acquiring Sun in 2010, Oracle Corporation stopped supporting commercial development and contributed the suite to the Apache Incubator to become a project of the Apache Software Foundation.

LibreOffice

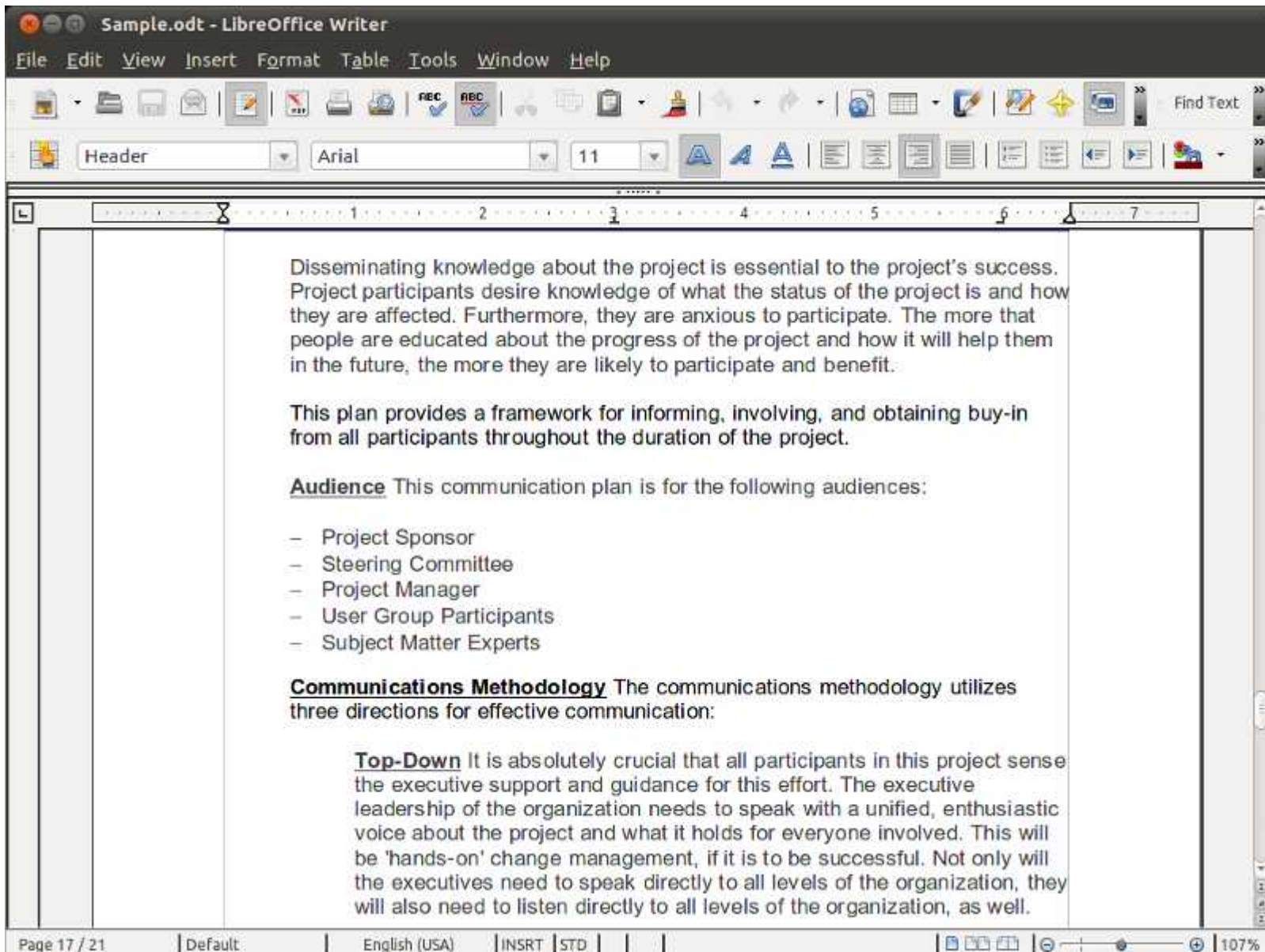
- LibreOffice is a FOSS office suite developed by The Document Foundation as a fork of OpenOffice.org.
- It is largely compatible with other major office suites, including Microsoft Office, and available on a variety of platforms.
- Its developers' goal is to produce a vendor-independent office suite with ODF file support, accessible to anyone and led by developers which do not have to sign their name to the product.
- The name is a hybrid word with the first part Libre, which means free (as in freedom) in French and Spanish, and the English word Office.



LibreOffice

- LibreOffice contains a number of components:
 - Writer -- A word processor with similar functionality and file support to Microsoft Word or WordPerfect. It also can act as a basic WYSIWYG editor.
 - Calc -- A spreadsheet program, similar to Microsoft Excel or Lotus 1-2-3. It has a number of unique features, including a system which automatically defines series of graphs, based on information available to the user.
 - Impress -- A presentation program resembling Microsoft Powerpoint. Presentations can be exported as SWF files, allowing them to be viewed on any computer with Adobe Flash installed

LibreOffice Writer



LibreOffice Calc

Sample.ods - LibreOffice Calc

File Edit View Insert Format Tools Data Window Help

Find Text

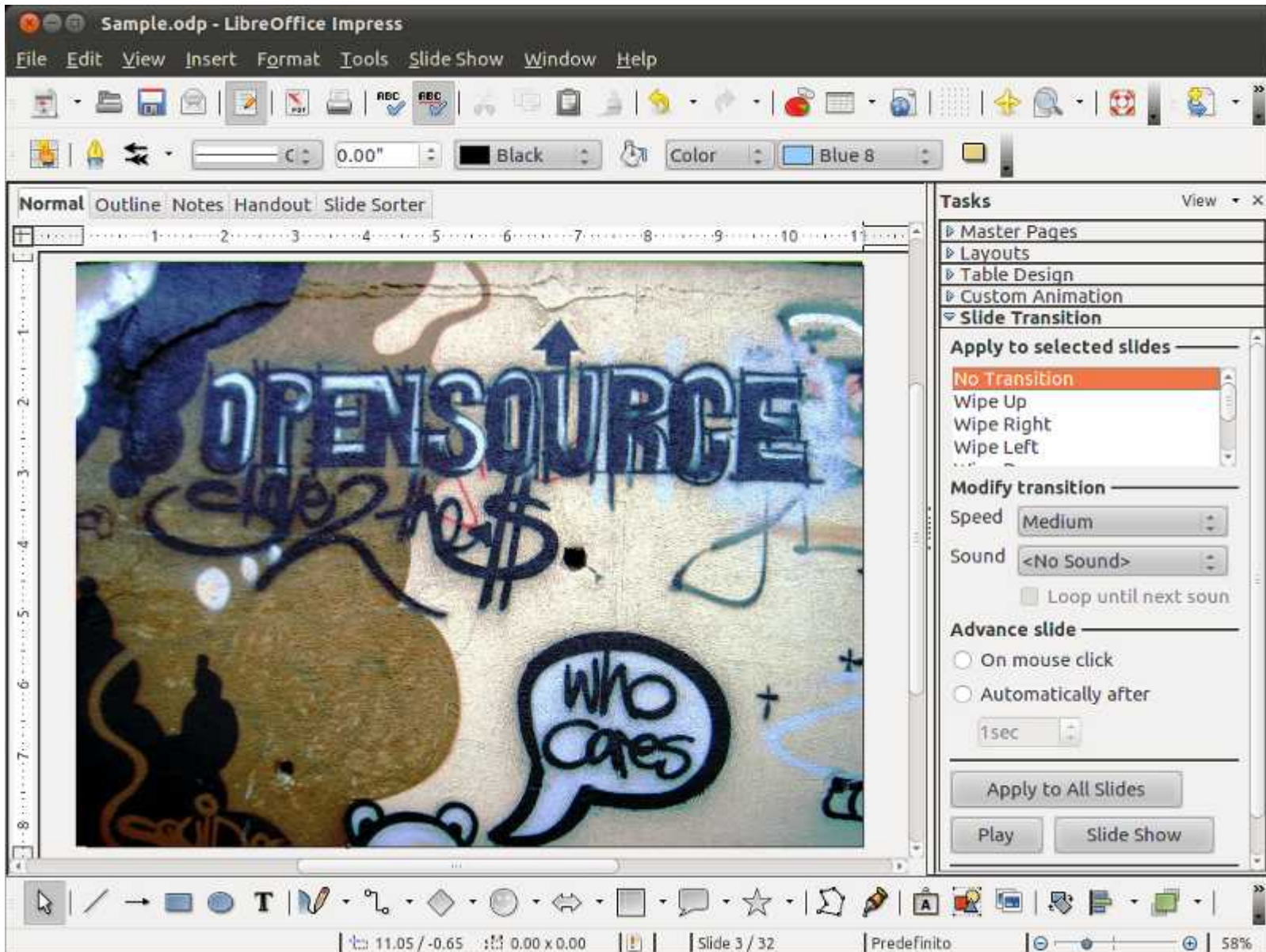
Arial 9

A2 f(x) Σ = Iron Mine

	A	B	C	D	E	F	G	H	I	J	K	L
1		Level	Food	Wood	Stone	Iron	Production	Manpower	Build Time	Labor	Free Speed Up?	Prereqs
2	Iron Mine		1 210	600	500	200	100	25	1m 30s	25	yes	
3			2 420	1,200	1,000	400	300	75	3m	75	yes	
4			3 840	2,400	2,000	800	600	150	6m	150		
5			4 1,680	4,800	4,000	1,600	1,000	250	12m	250		
6			5 3,360	9,600	8,000	3,200	1,500	375	24m	375		
7			6 6,720	19,200	16,000	6,400	2,100	525	48m	525		
8			7 13,440	38,400	32,000	###	2,800	700	1h 36m	700		
9			8 26,880	76,800	64,000	###	3,600	900	3h 12m	900		
10			9 53,760	153,600	128,000	51,200	4,500	1,125	6h 24m	1,125		
11			10 ###	307,200	###	###	5,500	1,375	12h 48m	1,375		Michaelangelo Script
12	Farm		1 50	300	200	150	100	10	20s	10	yes	
13			2 100	600	400	300	300	30	31s	30	yes	
14			3 200	1,200	800	600	600	60	1m 3s	60	yes	
15			4 400	2,400	1,600	1,200	1,000	100	3m	100	yes	
16			5 800	4,800	3,200	2,400	1,500	150	6m	150		
17			6 1,600	9,600	6,400	4,800	2,100	210	12m	210		
18			7 3,200	19,200	12,800	9,600	2,800	280	20m	280		
19			8 6,400	38,400	25,600	###	3,600	360	45m	360		
20			9 12,800	76,800	51,200	###	4,500	450	1h 30m	450		
21			10 25,600	153,600	###	###	5,500	550	2h	550		Michaelangelo Script
22	Sawmill		1 100	100	250	300	100	10	1m	10	yes	
23			2 200	200	500	600	300	30	2m	30	yes	
24			3 400	400	1,000	1,200	600	60	4m	60	yes	
25			4 800	800	2,000	2,400	1,000	100	6m	100		
26			5 1,600	1,600	4,000	4,800	1,500	150	12m	150		
27			6 3,200	3,200	8,000	9,600	2,100	210	24m	210		

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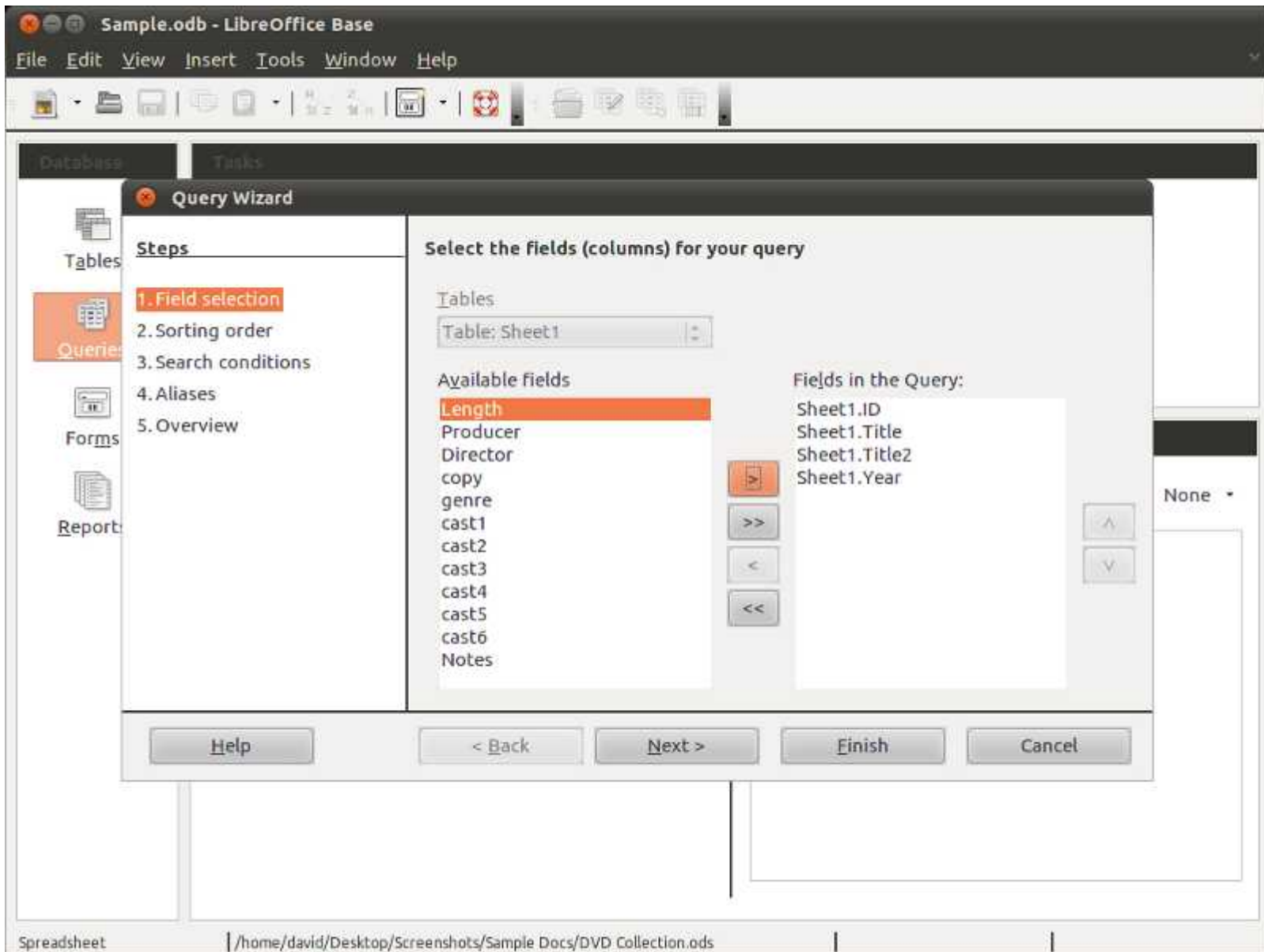
LibreOffice Impress



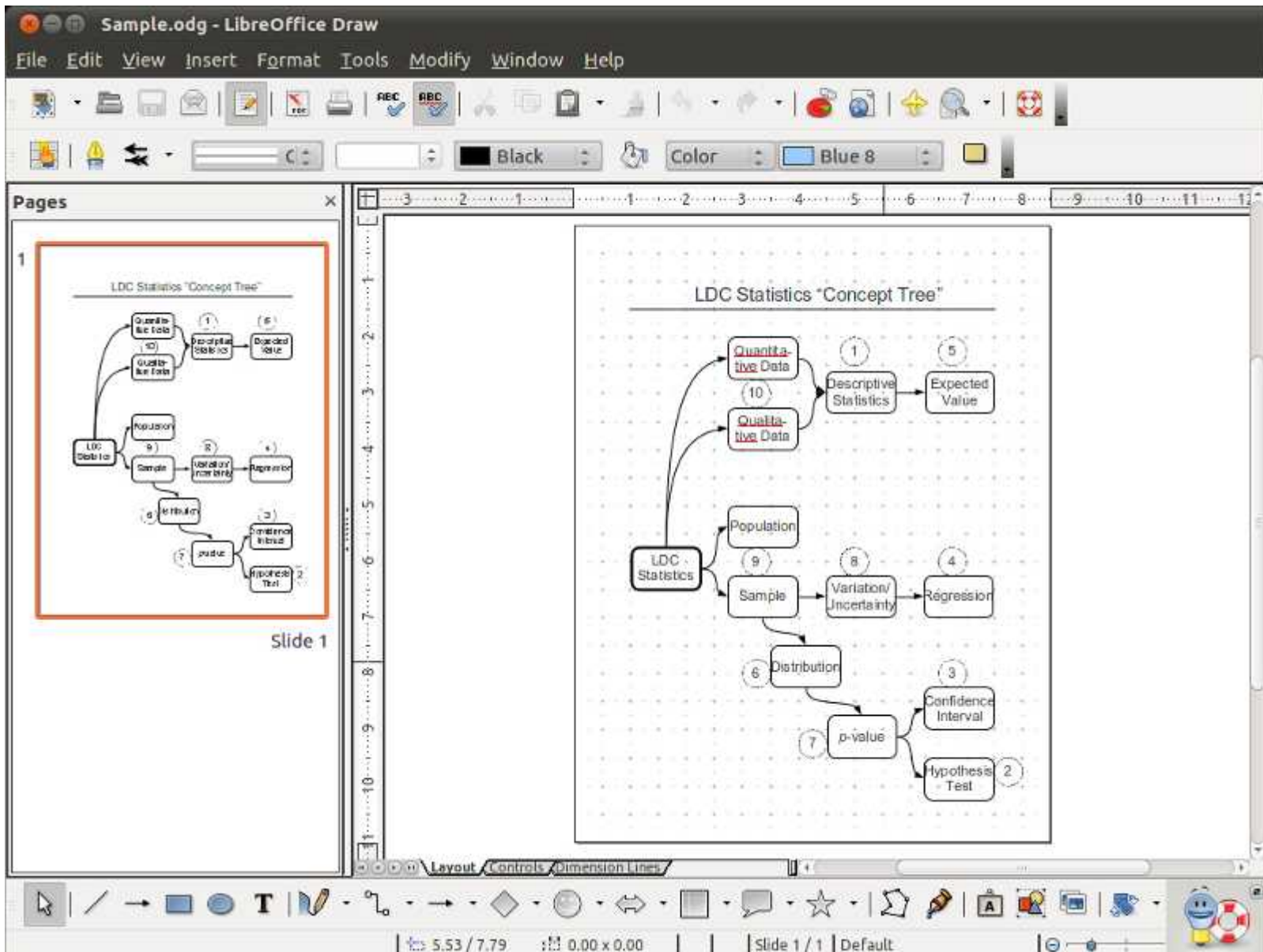
LibreOffice

- Base -- A database management program, similar to Microsoft Access. LibreOffice Base allows the creation and management of databases, preparation of forms and reports that provide end users easy access to data. Like Access, it can be used as a front-end for various database systems.
- Draw -- A vector graphics editor and diagramming tool similar to Microsoft Visio and comparable in features to early versions of CorelDRAW. It provides connectors between shapes, which are available in a range of line styles and facilitate building drawings such as flowcharts.

LibreOffice Base



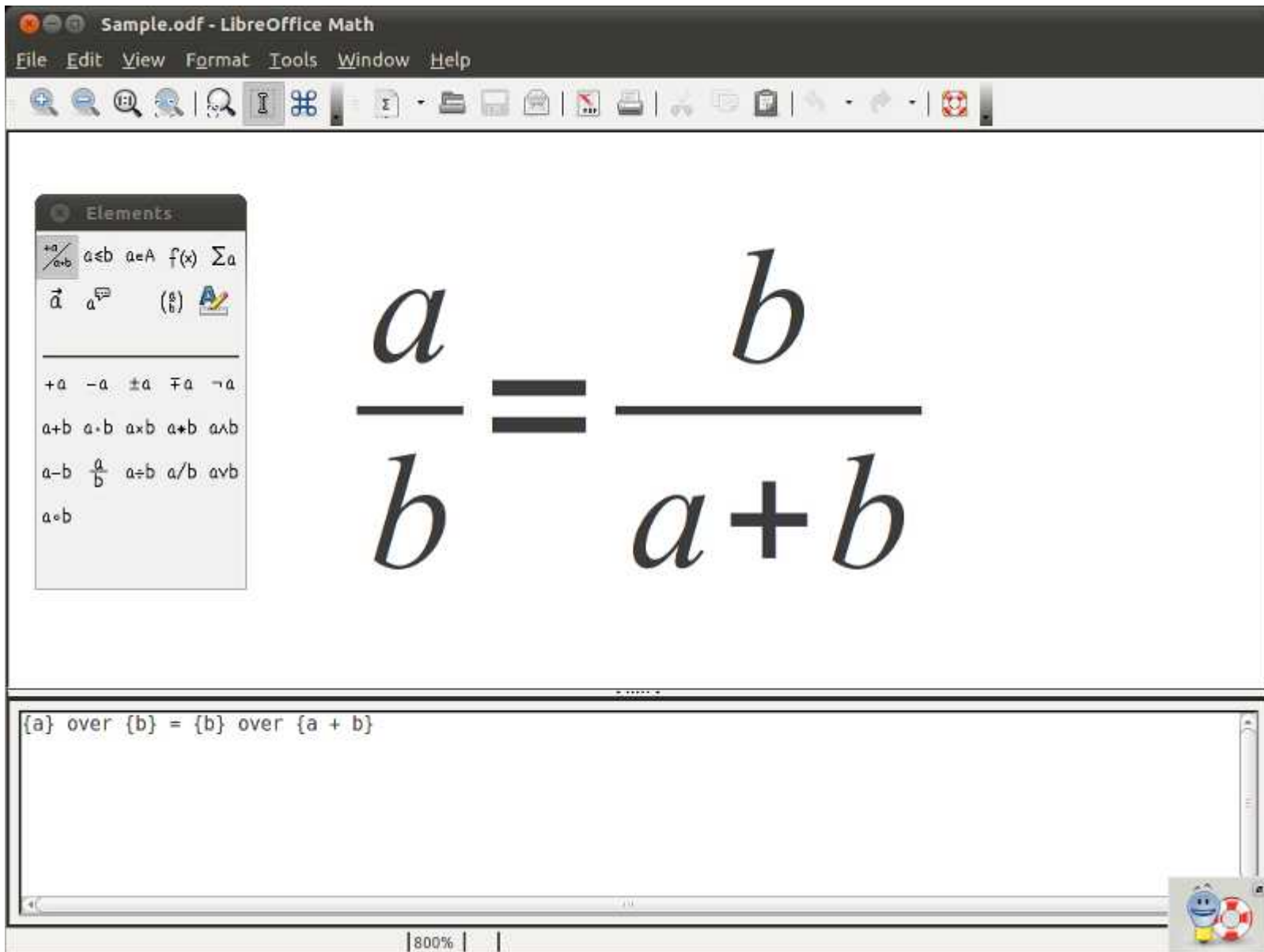
LibreOffice Draw



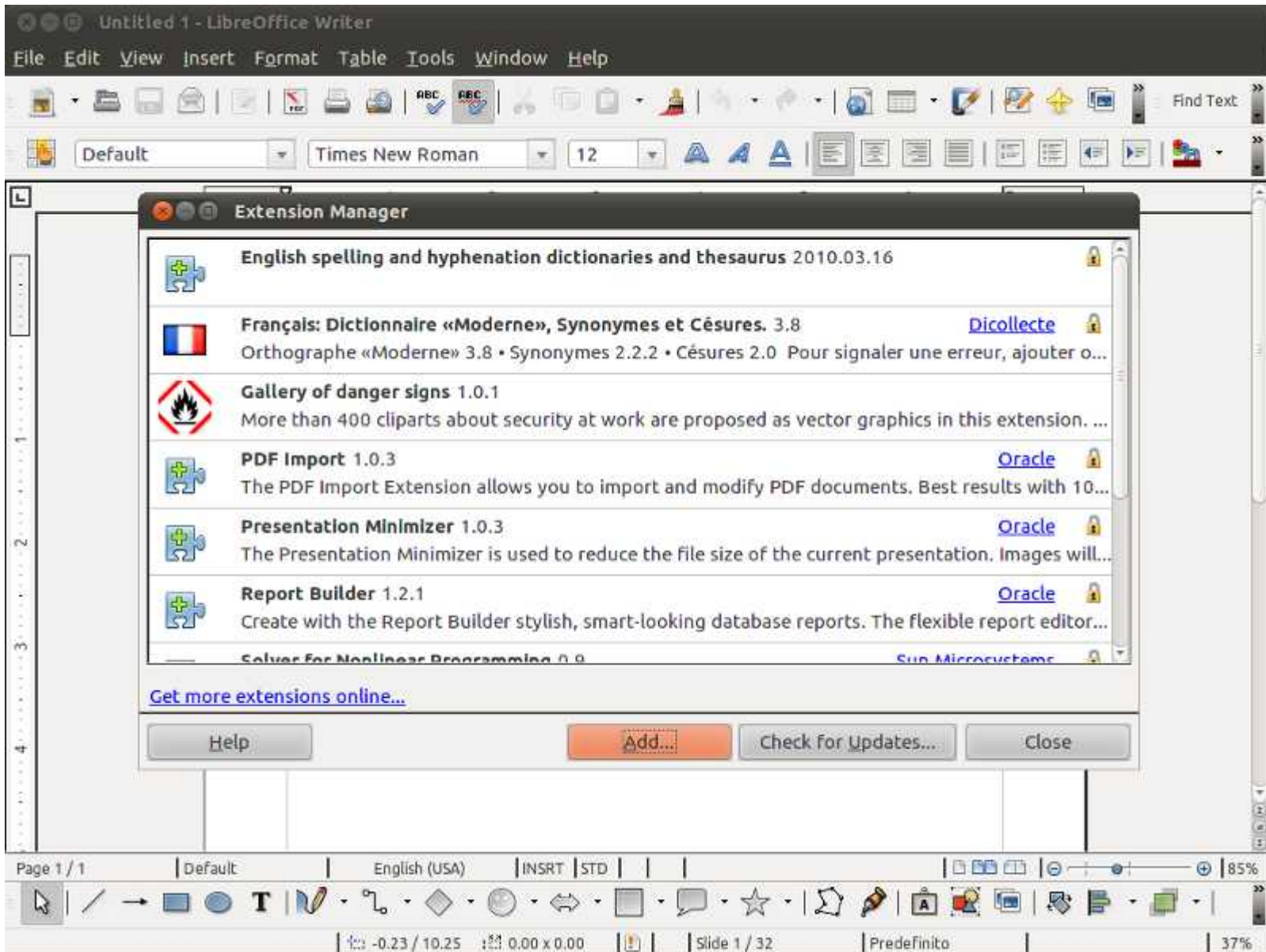
LibreOffice

- Math An application designed for creating and editing mathematical formulae. The application uses a variant of XML for creating formulas, as defined in the OpenDocument specification. These formulas can be incorporated into other documents in the LibreOffice suite, such as those created by Writer or Calc, by embedding the formulas into the document.
- LibreOffice also includes a PDF creator and a PDF import tool.
- Can be extended using extensions.

LibreOffice Math



LibreOffice Extensions



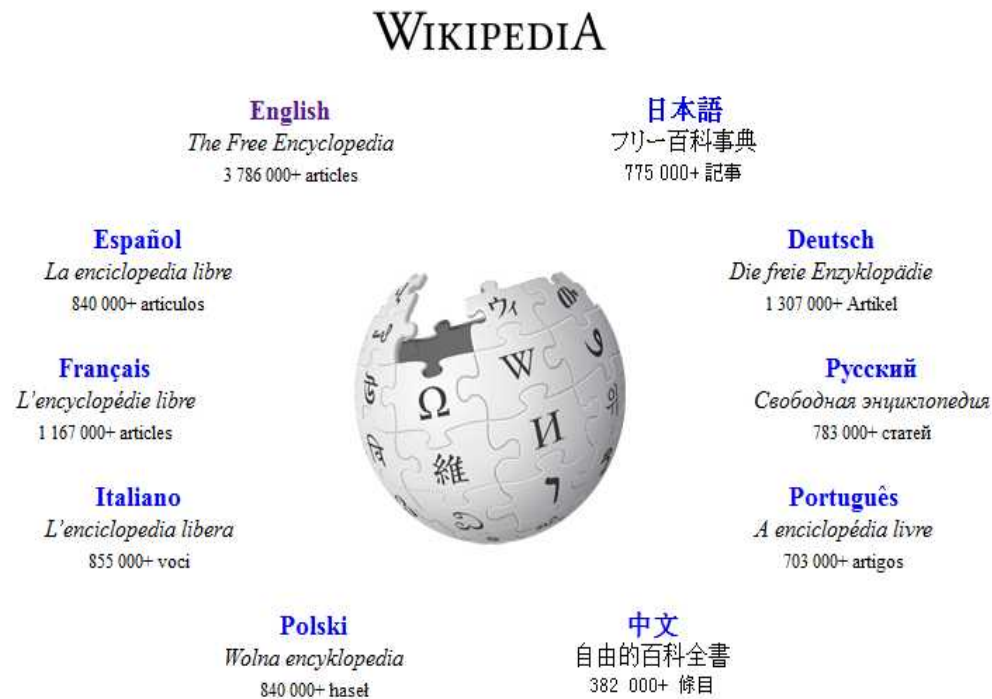
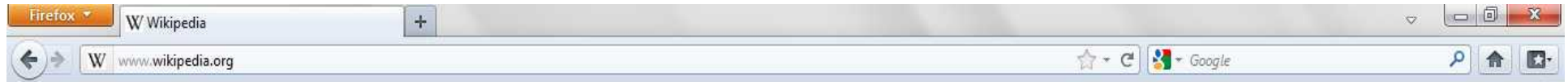
Web Browsers

- A web browser is a software application for retrieving, presenting, and traversing information resources on the World Wide Web.
- An information resource is identified by a Uniform Resource Identifier (URI) and may be a web page, image, video, or other piece of content.
- Hyperlinks present in resources enable users easily to navigate their browsers to related resources.
- The major web FOSS browsers are Mozilla Firefox, and Google Chromium.

Mozilla Firefox

- Mozilla Firefox is a free and open source web browser descended from the Mozilla Application Suite and managed by Mozilla Corporation.
- First release in 2004.
- As of September 2011, Firefox is the second most widely used browser, with approximately 25% of worldwide usage share of web browsers.
- Test builds can be downloaded from the Firefox development channels: "Beta", "Aurora", and "Nightly Builds".

Mozilla Firefox

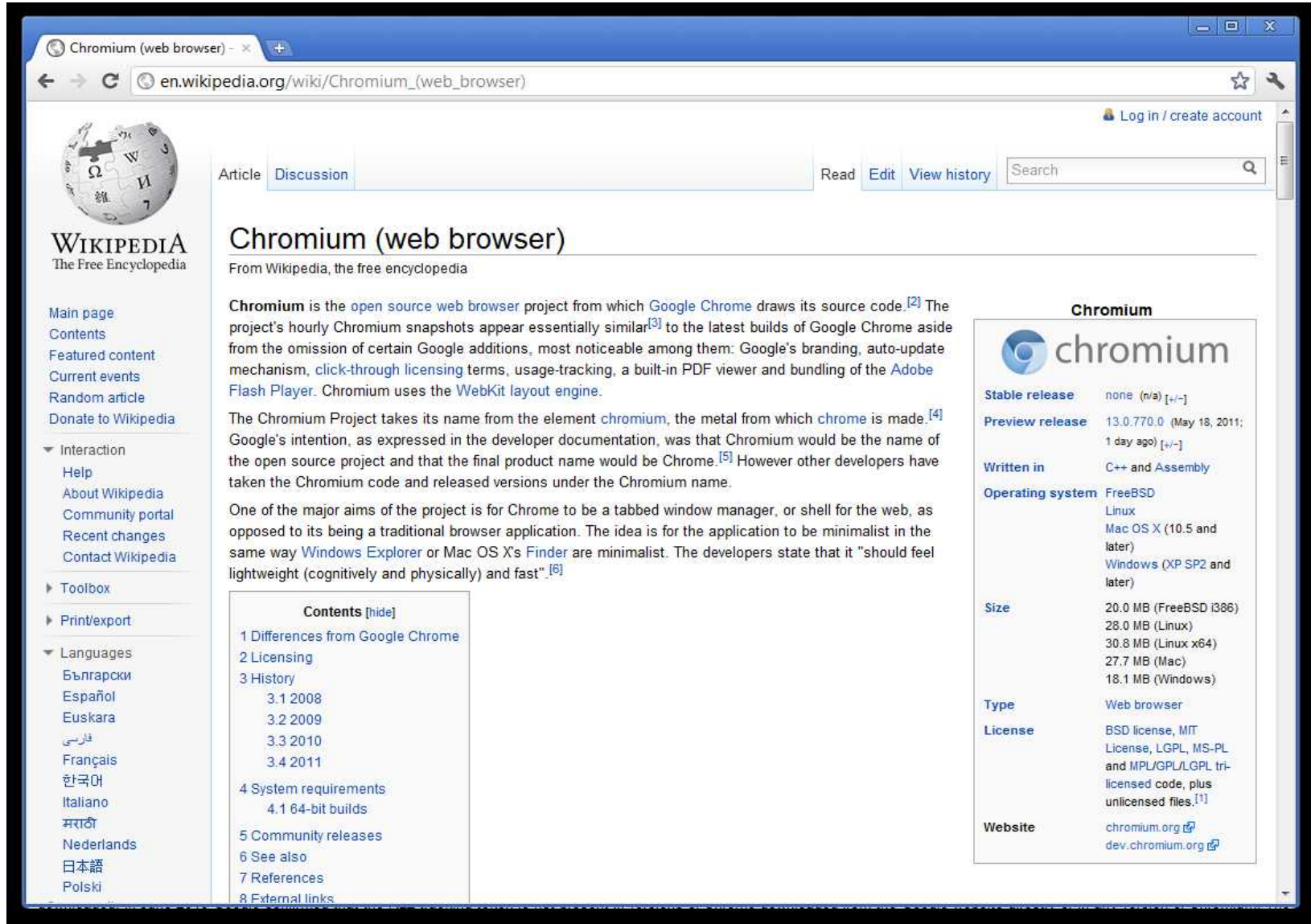


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Google Chromium

- Google Chrome is a web browser developed by Google that uses the WebKit layout engine.
- First release in 2008.
- Chromium is the open source web browser project from which Google Chrome draws its source code.
 - Omission of certain Google additions, most noticeable among them: Google's branding, auto-update mechanism, click-through licensing terms, usage-tracking, a built-in PDF viewer and bundling of the Adobe Flash Player.

Google Chromium



The screenshot shows a Chromium web browser window displaying the Wikipedia article for "Chromium (web browser)". The browser's address bar shows the URL "en.wikipedia.org/wiki/Chromium_(web_browser)". The Wikipedia page layout includes a sidebar on the left with navigation links, a main content area with the article text, and a right-hand box with technical details about Chromium.

Chromium (web browser)
From Wikipedia, the free encyclopedia

Chromium is the [open source web browser](#) project from which [Google Chrome](#) draws its source code.^[2] The project's hourly Chromium snapshots appear essentially similar^[3] to the latest builds of Google Chrome aside from the omission of certain Google additions, most noticeable among them: Google's branding, auto-update mechanism, [click-through licensing](#) terms, usage-tracking, a built-in PDF viewer and bundling of the [Adobe Flash Player](#). Chromium uses the [WebKit](#) layout engine.


The Chromium Project takes its name from the element [chromium](#), the metal from which [chrome](#) is made.^[4] Google's intention, as expressed in the developer documentation, was that Chromium would be the name of the open source project and that the final product name would be Chrome.^[5] However other developers have taken the Chromium code and released versions under the Chromium name.

One of the major aims of the project is for Chrome to be a tabbed window manager, or shell for the web, as opposed to its being a traditional browser application. The idea is for the application to be minimalist in the same way [Windows Explorer](#) or Mac OS X's [Finder](#) are minimalist. The developers state that it "should feel lightweight (cognitively and physically) and fast".^[6]

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- 6 See also
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Chromium

	chromium
Stable release	none (n/a) [+/-]
Preview release	13.0.770.0 (May 18, 2011; 1 day ago) [+/-]
Written in	C++ and Assembly
Operating system	FreeBSD Linux Mac OS X (10.5 and later) Windows (XP SP2 and later)
Size	20.0 MB (FreeBSD i386) 28.0 MB (Linux) 30.8 MB (Linux x64) 27.7 MB (Mac) 18.1 MB (Windows)
Type	Web browser
License	BSD license, MIT License, LGPL, MS-PL and MPL/GPL/LGPL tri-licensed code, plus unlicensed files. ^[1]
Website	chromium.org [i] dev.chromium.org [i]

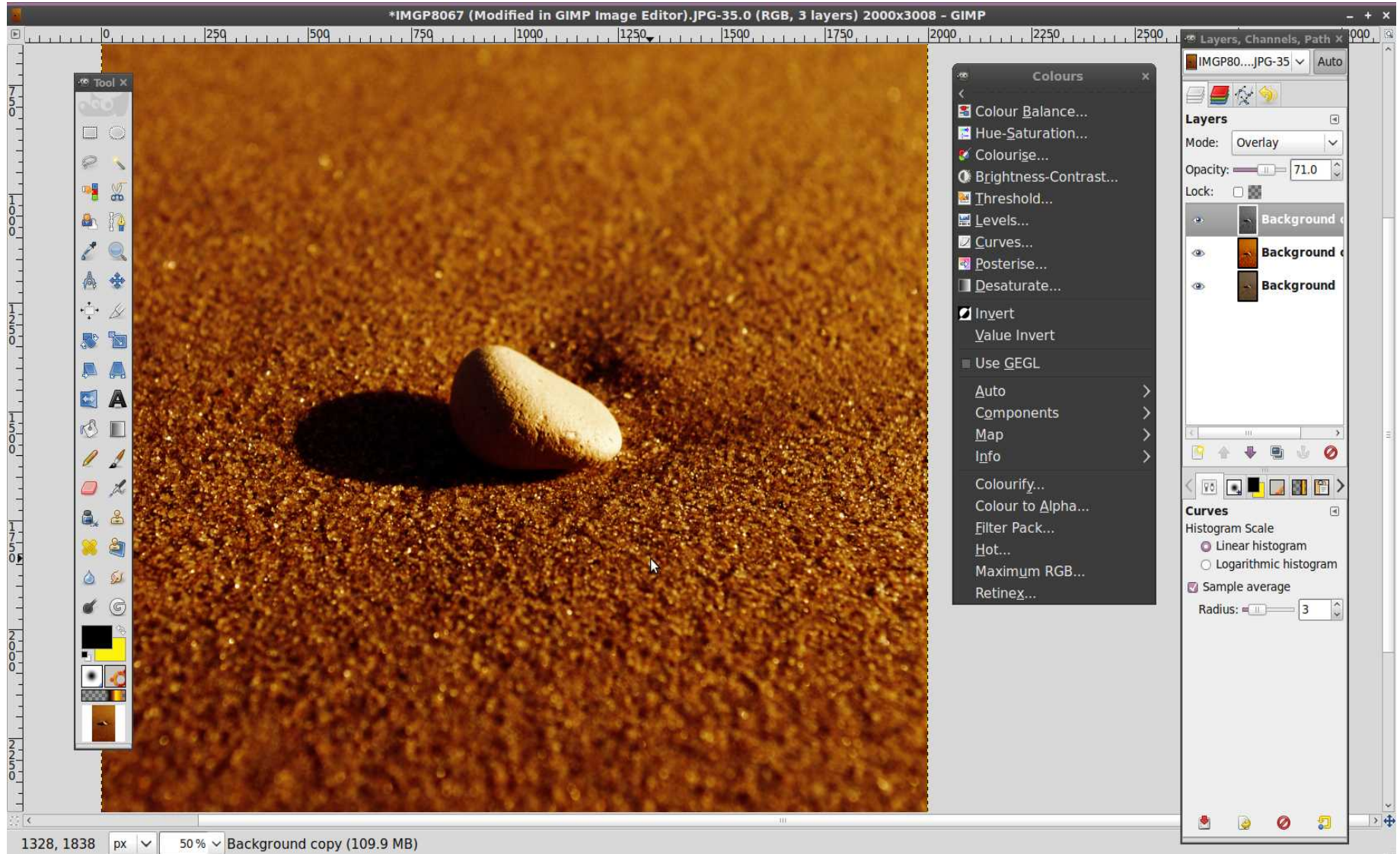
Graphics Software

- Graphics software or image editing software is a program or collection of programs that enable a person to manipulate visual images on a computer.
- A raster graphics editor is a computer program that allows users to paint and edit pictures interactively on the computer screen and save them.
- A vector graphics editor is a computer program that allows users to compose and edit vector graphics images interactively on a computer and save them.

GIMP

- GIMP (GNU Image Manipulation Program) is a free software raster graphics editor.
- It is primarily employed as an image retouching and editing tool and is freely available in versions tailored for most popular operating systems including Microsoft Windows, Apple Mac OS X, and Linux.
- Began development in 1995 as a semester-long project at the University of California, Berkeley. The first public release of GIMP (0.54) was made in January 1996.

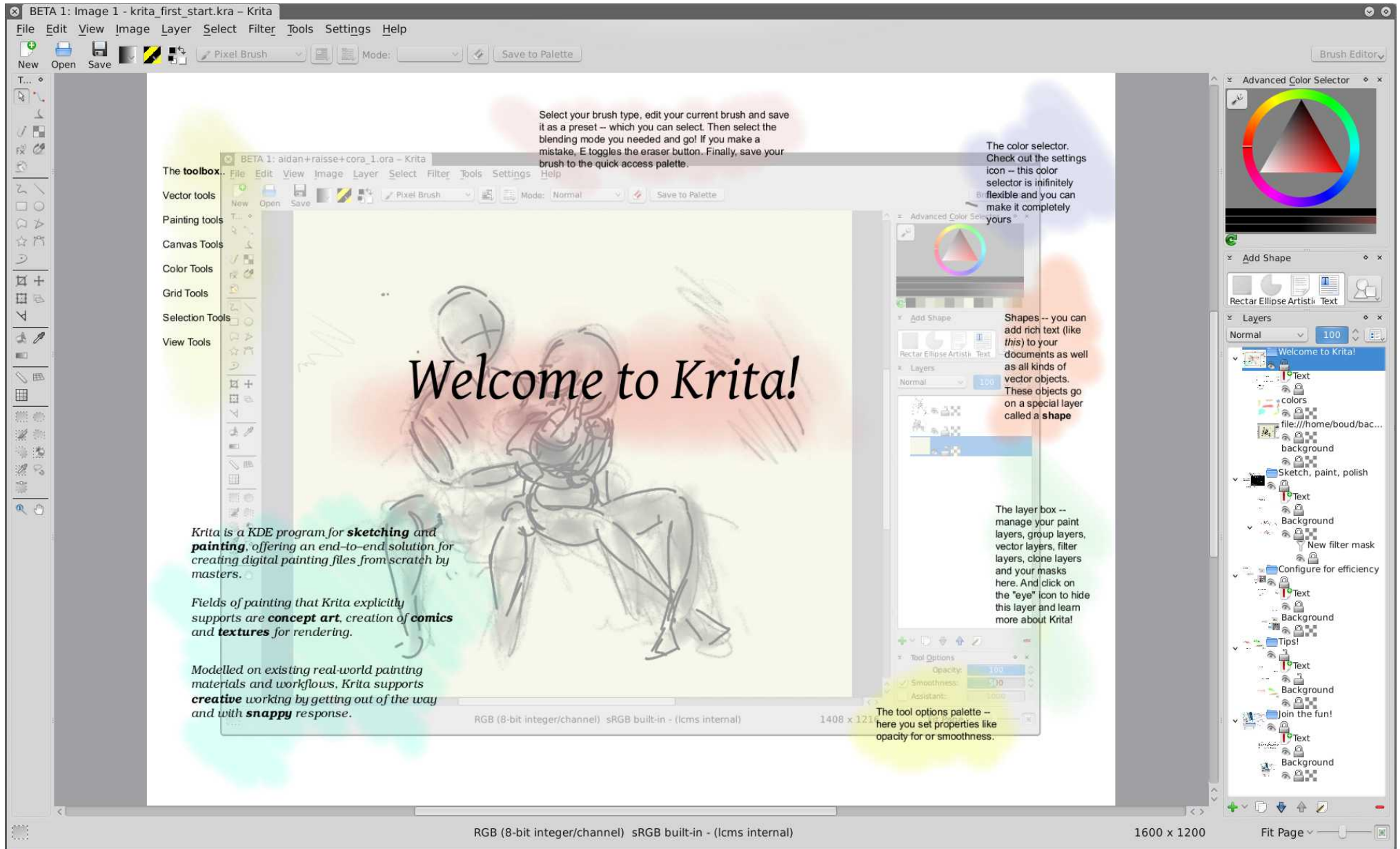
GIMP



Krita

- Krita (Swedish for crayon) is the digital painting and illustration software included based on the KDE Platform and Calligra Suite libraries.
- Designed as a digital painting and illustration suite.
- It was released for the first time as a part of KOffice version 1.4.0, on June 21, 2005.
- Krita developers deliberately choose to avoid high end photography plugins in favor of more painting / drawing specific features.

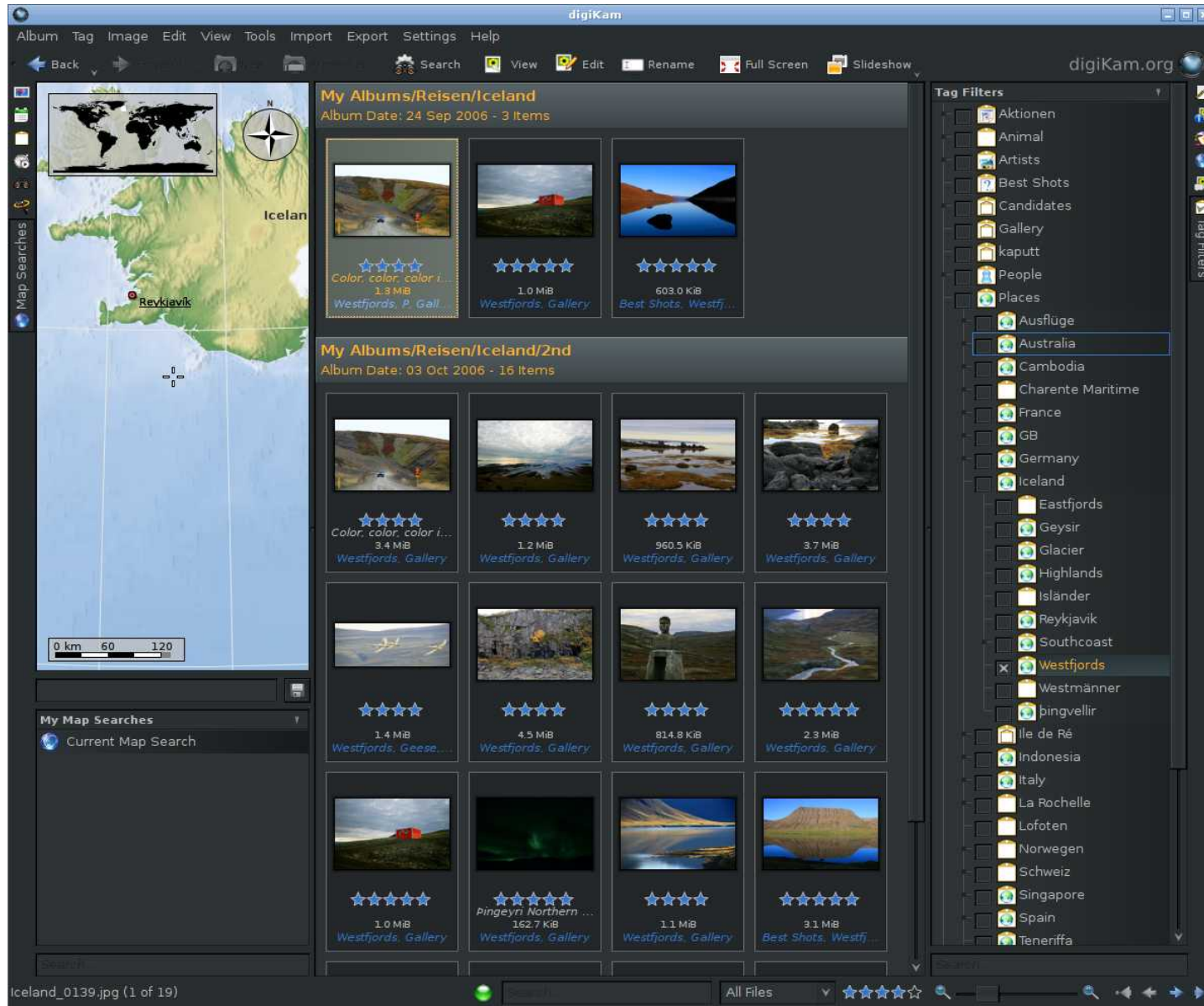
Krita



digiKam

- digiKam is an image organizer and editor using KDE Platform.
- It supports all major image file formats, and can organize collections of photographs in directory-based albums, or dynamic albums by date, timeline, or by tags.
- Users can also add captions and ratings to their images, search through them and save searches for later use.
- With the plugins they can also export albums to various websites, burn them on CD, or create web galleries.

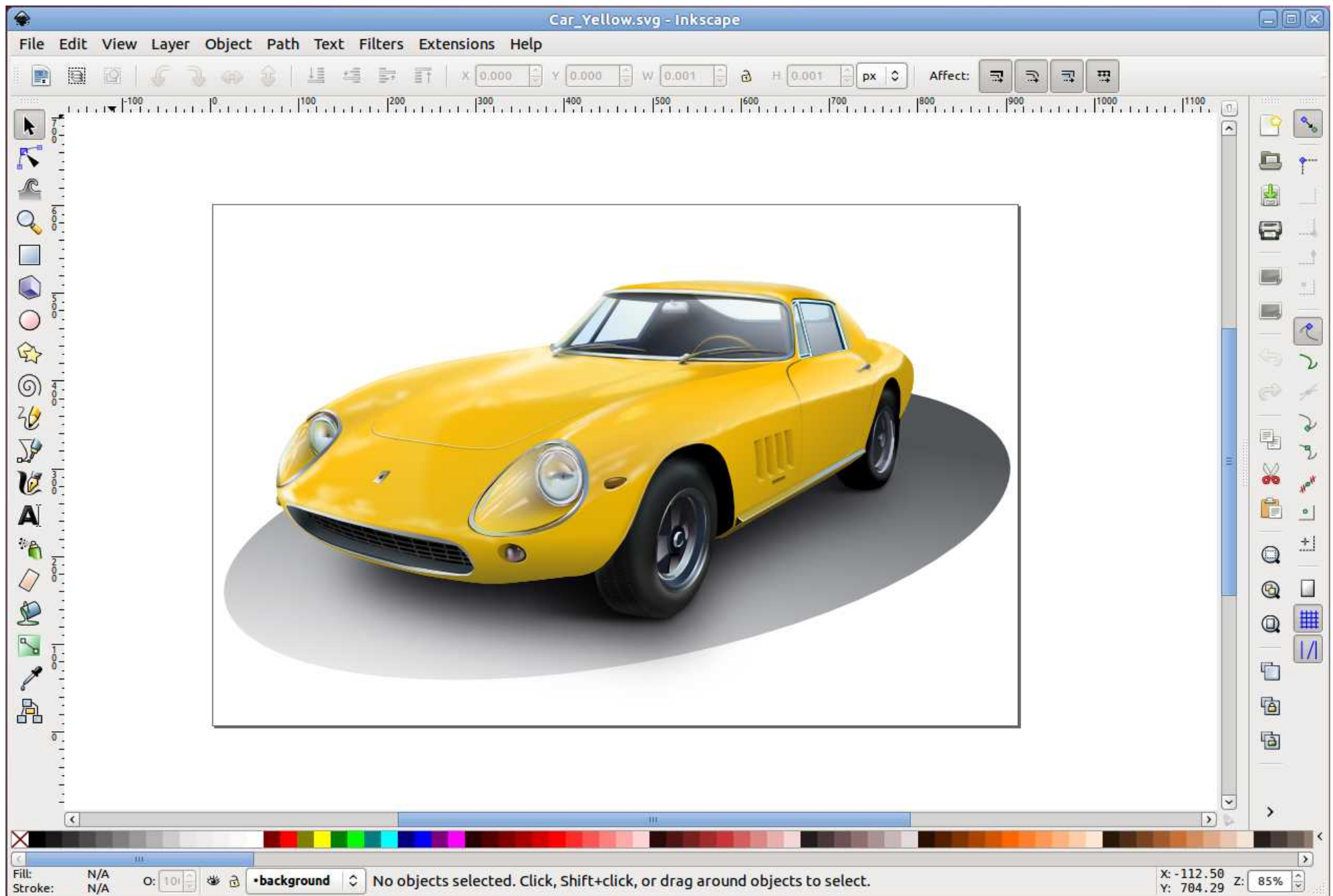
digiKam



Inkscape

- Inkscape is a free software vector graphics editor, licensed under the GNU General Public License.
- Its goal is to implement full support for the Scalable Vector Graphics (SVG) 1.1 standard.
- Inkscape has multi-lingual support, particularly for complex scripts, something currently lacking in most commercial vector graphics applications.
- The word Inkscape is a portmanteau of the words ink and landscape.

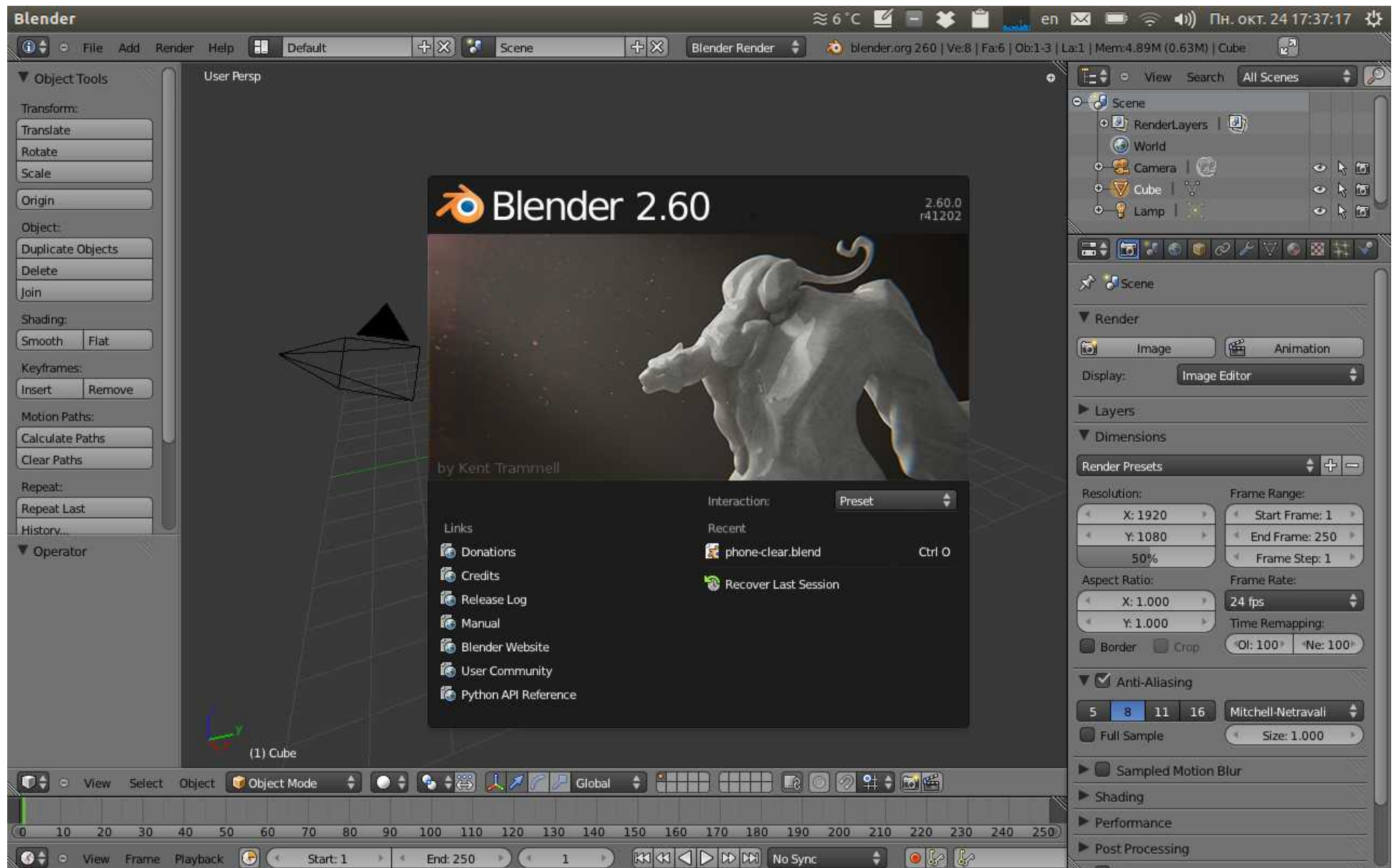
Inkscape



Blender

- Blender is a free and open-source 3D computer graphics software product used for creating animated films, visual effects, interactive 3D applications or video games.
- Blender's features include 3D modeling, UV unwrapping, texturing, rigging and skinning, fluid and smoke simulation, particle simulation, animating, rendering, video editing and compositing.
- Blender funding campaign (Euro 100,000) in 2002 for the source code of Blender was successful in less than 2 months.

Blender



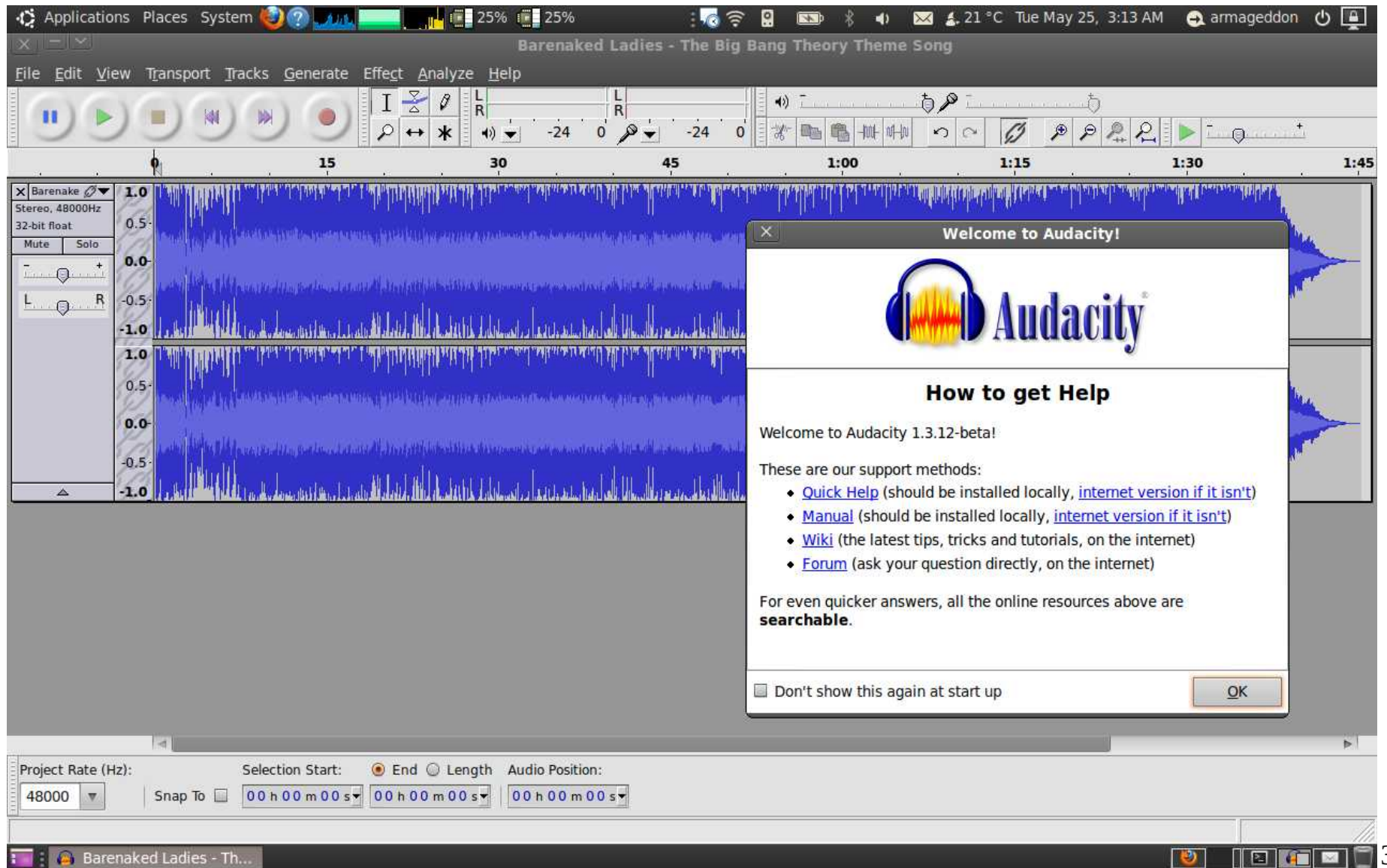
Blender

- Elephants Dream (Open Movie Project: Orange)
- Big Buck Bunny (Open Movie Project: Peach)
- Yo Frankie! (Open Game Project: Apricot)
- Sintel (Open Movie Project: Durian)

Audacity

- Audacity is a free software, cross-platform digital audio editor and recording application. It is available for Windows, Mac OS X, Linux and BSD.
- Audacity can also be used for post-processing of all types of audio, including podcasts by adding effects such as normalization, trimming, and fading in and out.
- Audacity has also been used to record and mix entire albums.

Audacity



Accounting Software

- Accounting software is application software that records and processes accounting transactions within functional modules such as accounts payable, accounts receivable, payroll, and trial balance.
- It functions as an accounting information system.
- It varies greatly in its complexity and cost.

GnuCash

- GnuCash is a free and open source accounting software program that implements a double-entry bookkeeping system.
- It was initially aimed at developing capabilities similar to Intuit, Inc.'s Quicken application, but also has features for small business accounting.
- Programming on GnuCash began in 1997, and its first stable release was in 1998. Small Business Accounting was added in 2001.

GnuCash

*<no file> - Accounts

File Edit View Actions Business Reports Tools Windows Help

Save Close Open Edit New Delete

Accounts

Account Name	Description	Total
Assets	Assets	\$12,846.98
Current Assets	Current Assets	\$12,846.98
Cash in Wallet	Cash in Wallet	\$222.09
Checking Account	Checking Account	\$83.18
Savings Account	Savings Account	\$12,541.71
Equity	Equity	\$11,547.85
Expenses	Expenses	\$3,511.80
Adjustment	Adjustment	\$0.00
Auto	Auto	\$0.00
Bank Service Charge	Bank Service Charge	\$9.95
Books	Books	\$0.00
Cable	Cable	\$81.99
Charity	Charity	\$200.00
Clothes	Clothes	\$0.00
\$, grand total:		Assets: \$12,846.98 Profits: \$1,299.13