PrisonPC Secure Prisoner Interactive Learning System

Desktop SOE Application Catalogue

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1 Introduction

This document provides a catalog of various educational, productivity and recreational software applications which have been vetted as appropriate for deployment on PrisonPC inmate-facing desktops at a secure correctional facility.

It is intended to form the basis of consultation and dialog between Cyber IT Solutions and the end-user managing a PrisonPC PILS[1] solution and should not be reviewed in isolation. Face-to-face design meetings between these two parties are mandatory.

This version of the catalog supersedes any previous version and is subject to change without notice due to availability of software packages prior to the finalisation of the SOE[2] design.

[1] Prisoner Interactive Learning System
[2] Standard Operating Environment

2 Overview

Each entry in this catalogue includes a brief summary on the purpose of the software application and a screenshot of it in use.

This catalogue is presented in two broad sections; core and optional. The core applications are necessary for the proper functioning of the PrisonPC PILS desktop while the optional applications are available for selection per the site's unique policy and educational requirements.

To assist in selection each application is tagged with one or more categories which identifies the broad purpose or educational subject matter the application aligns with.

2.1 Size Limitations

Desktop Applications

To ensure viable performance metrics are maintained the total size of the PrisonPC desktop optional applications should be kept below 2GB. Please refer to the 'Installed Size' value for each application when selecting software for your PrisonPC PILS desktops.

Home Directory

The inmates' personal documents are stored on the server in their secure Home directory where only the individual inmate and prisoner staff have access. This location is normally under a quota regimen and therefore it is important to consider how much space each application consumes when determining which applications to deploy. Please refer to the 'Home Footprint' value when determining the quota to assign to inmates.

Note: The values for 'Home Footprint' do not include the size of documents created by the user but rather only the required configuration files and similar. Document storage is largely dependent on each individual user's personal activity and can not be estimated.

2.2 Software Applicability and Warranty Due Diligence

The third-party applications listed here are offered by Cyber IT Solutions Pty Ltd in the hope they may be of use. As part of the user acceptance process undertaken by the end customer specific effort needs to be made to determine the viability and fitness for purpose of each application selected for both functionality and security.

The third-party software creators who have produced these applications have affixed a variety of implied warranty disclaimers.

Example 1 BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

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2.3 Application Security Framework and Analysis

PrisonPC has been designed with a defence-in-depth security model throughout. As an example, each PrisonPC desktop is firewalled off from all other PrisonPC desktops to ensure any mechanisms for peer-to-peer clandestine communications are blocked.

A security review has been performed of each application listed in this catalog to determine if the application introduces unwelcome or insecure functionality.

Example of unwelcome functionality includes, but is not limited to:

- Peer-to-peer networking, that might allow for clandestine communications between PrisonPC desktops.
- A Read-Eval-Print-Loop[3] that might allow the application to run external applications or shell commands.
- Obfuscation or encryption of illicit content.

In each case, where an application includes functionality which might raise security concerns this functionality has been noted in the application's 'Security Caveat' statement.

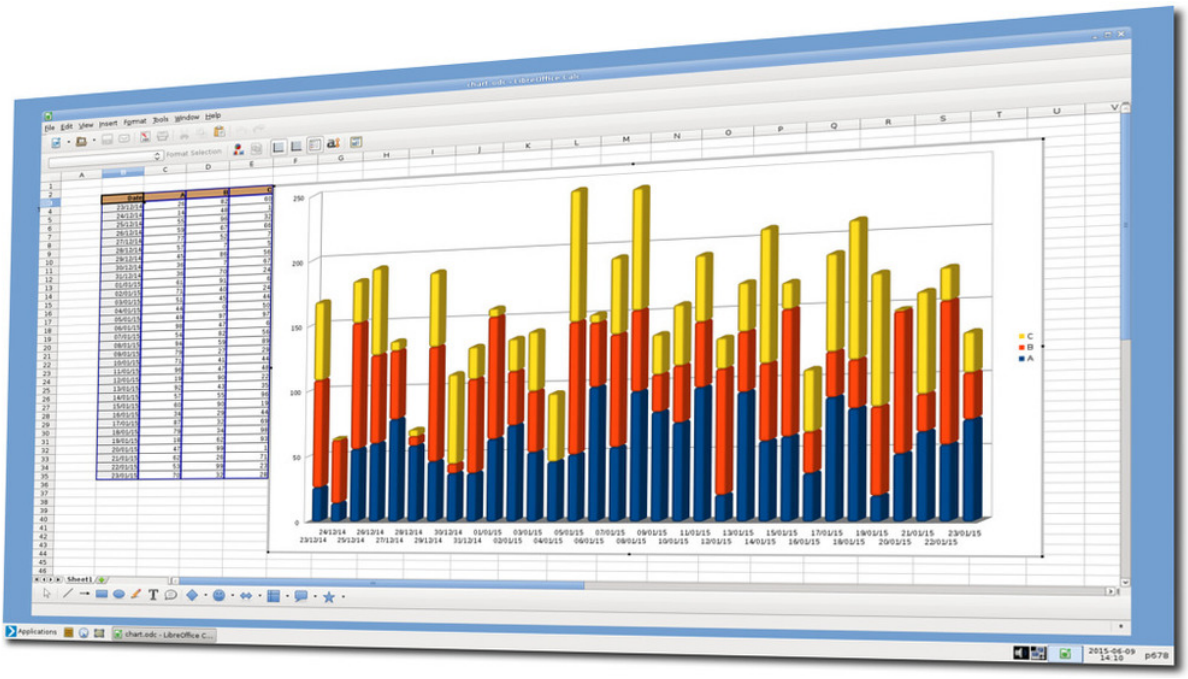
PrisonPC desktops are grouped into separate realms, where each realm is a logical collection of desktops. These realms are usually associated with the function or location of the included desktops. For example; library, education, cell block 3.

Each realm is assigned a suites of applications which may be unique per realm. To reduce the risk profile of applications with non-trivial security caveats prison staff may allocate the applications to a separate realm with a limited subset of trusted inmates.

[3] https://en.wikipedia.org/wiki/REPL

3 Core Applications

The core applications listed here are included in every PrisonPC SOE. They have been selected as standard inclusions due to their utility and universal appeal. They deliver some of the everyday software functionality that inmates need for simple entertainment, Intranet or Internet information access, and document creation and collaboration as needed for most formal education.

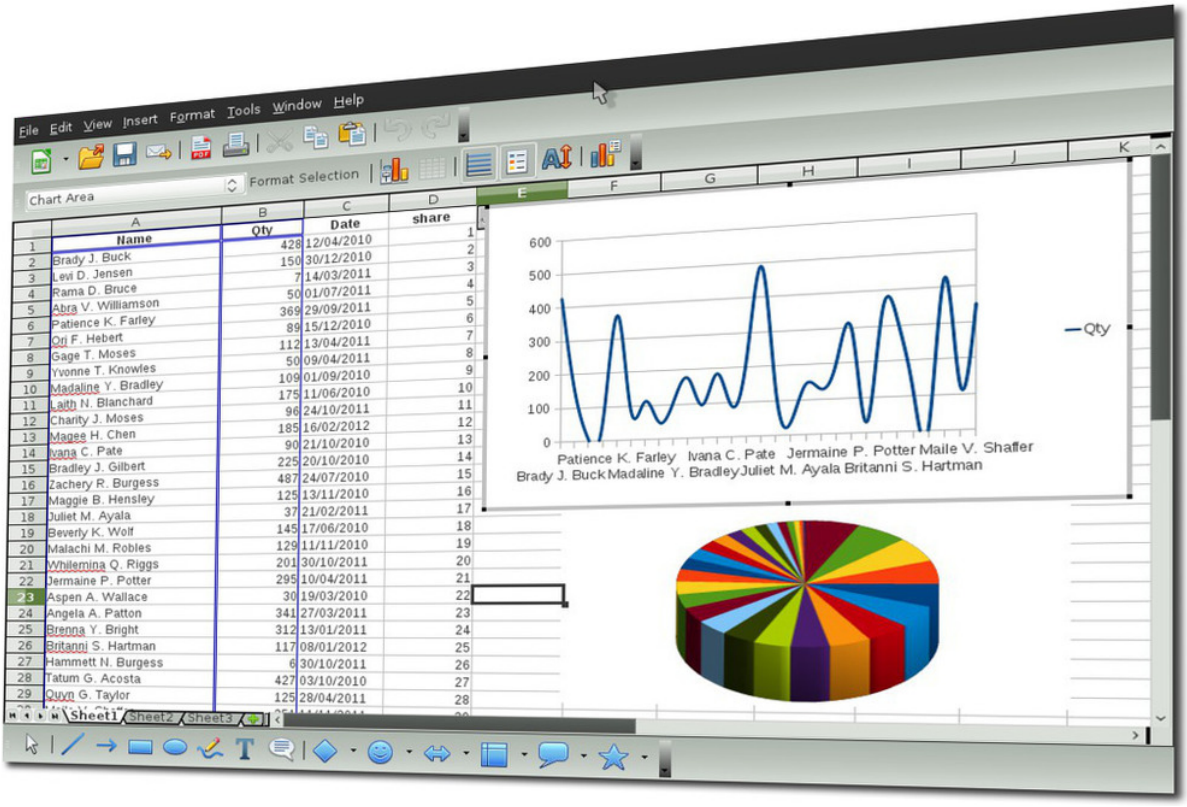


3.1 Chromium Web Browser

Chromium is an open-standards web-browser, almost identical to Google® Chrome®, through which inmates can be provided access to explicitly approved web-sites on the Internet or an in-house secure Intranet. The web-browser is particularly important for accessing information or services which are increasingly deployed within prisons, such as online shopping-cart or menu selection services, Learning Management Systems, Integrated Library Systems, secure prison email, and viewing PDF documents.

Category	Utility
Security Caveat	None
Home Footprint	824KB

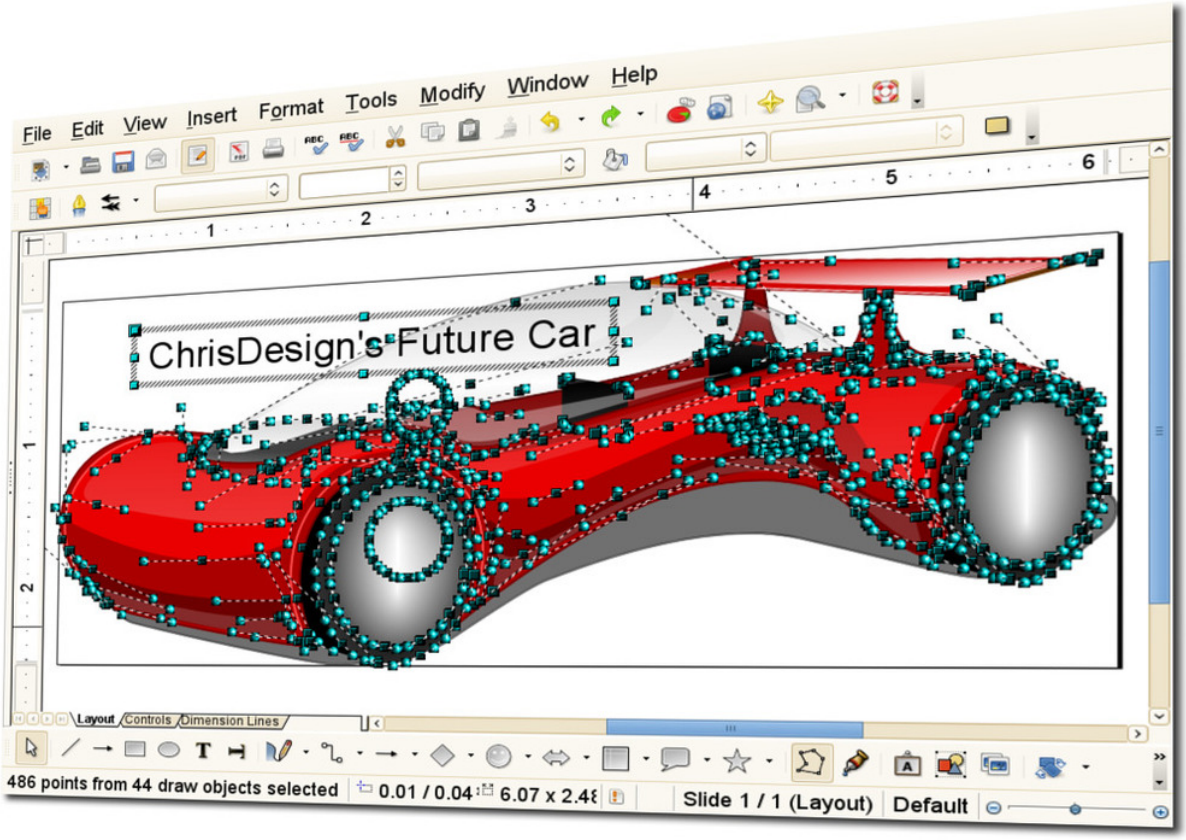
3.2 LibreOffice Calc



LibreOffice is a full-featured office productivity suite that provides a near drop-in replacement for Microsoft® Office. LibreOffice Calc is the spreadsheet component for LibreOffice, and is comparable to Microsoft® Excel®. While LibreOffice Calc includes support for many document formats it is configured to save documents in the Microsoft® Excel® document format by default.

Category	Mathematics (Years 1 through 10), Mathematics (Years 11, 12), Science
Security Caveat	Embeds a REPL that includes a full-function programming language.
Home Footprint	1.6MB

3.3 LibreOffice Draw



LibreOffice is a full-featured office productivity suite that provides a near drop-in replacement for Microsoft® Office. LibreOffice Draw is the drawing component for LibreOffice, and is comparable to Microsoft® Visio®.

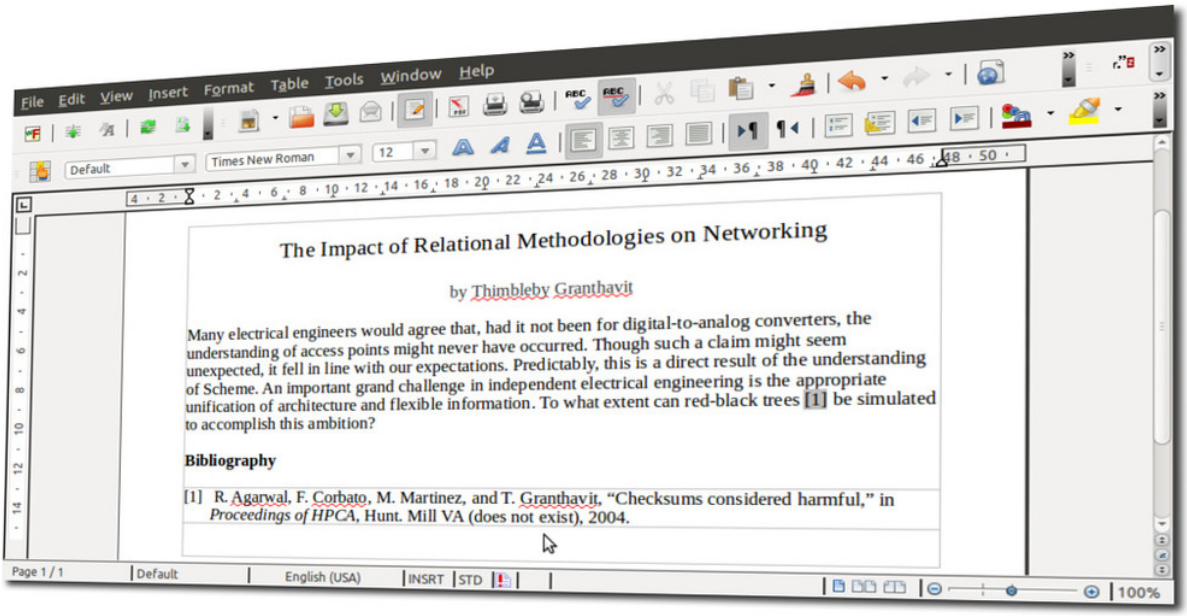
Category	Visual Communications and Design, Art
Security Caveat	Embeds a REPL that includes a full-function programming language.
Home Footprint	1.6MB

3.4 LibreOffice Impress

LibreOffice is a full-featured office productivity suite that provides a near drop-in replacement for Microsoft® Office. LibreOffice Impress is the presentation component for LibreOffice, and is comparable to Microsoft® Powerpoint®.

Category	English (Years 1 through 10), English (Years 11, 12), Humanities, Science, Visual Communications and Design, Art
Security Caveat	Embeds a REPL that includes a full-function programming language.
Home Footprint	1.6MB

3.5 LibreOffice Writer



LibreOffice is a full-featured office productivity suite that provides a near drop-in replacement for Microsoft® Office. LibreOffice Writer is the word processing component for LibreOffice, and is comparable to Microsoft® Word®. While LibreOffice Writer includes support for many document formats it is configured to save documents in the Microsoft® Word document format by default.

Category	English (Years 1 through 10), English (Years 11, 12), Language Other Than English (LOTE)
Security Caveat	Embeds a REPL that includes a full-function programming language.
Home Footprint	1.6MB

3.6 UPMC

UPMC is the IPTV streaming-media interface that allows users to view free-to-air and internal television content. Inmates can control their TV viewing with either their keyboard or an infrared (IR) remote control.

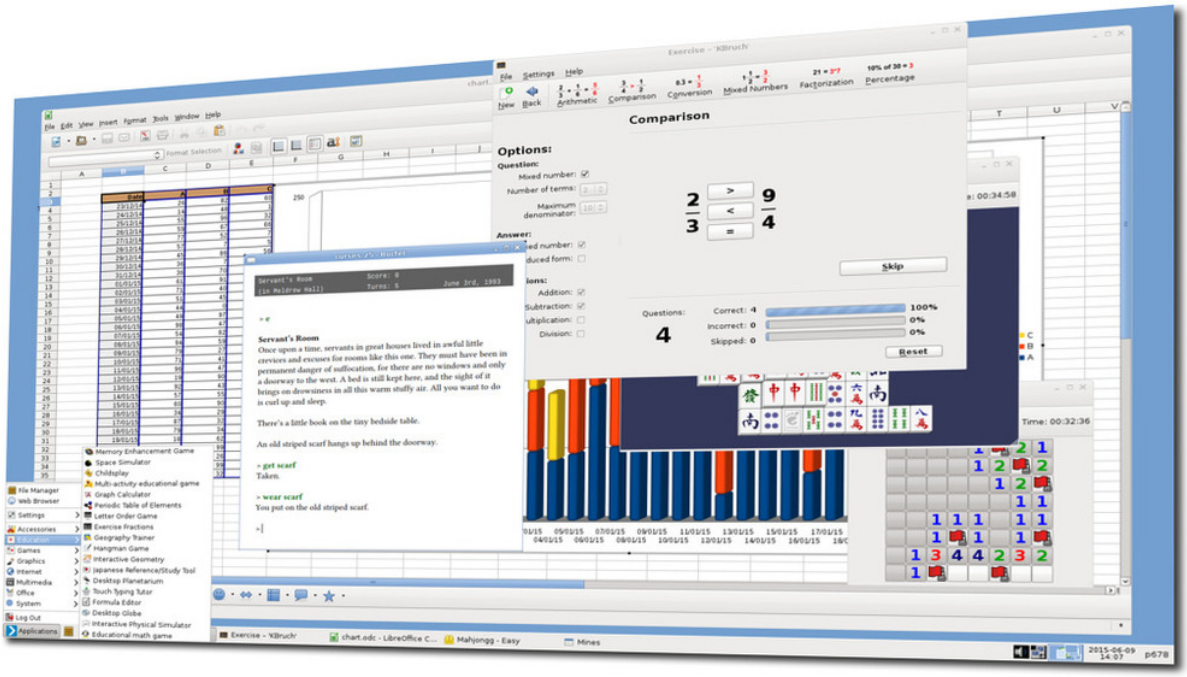
Category	Recreational
Security Caveat	None
Home Footprint	None

4 Optional Applications

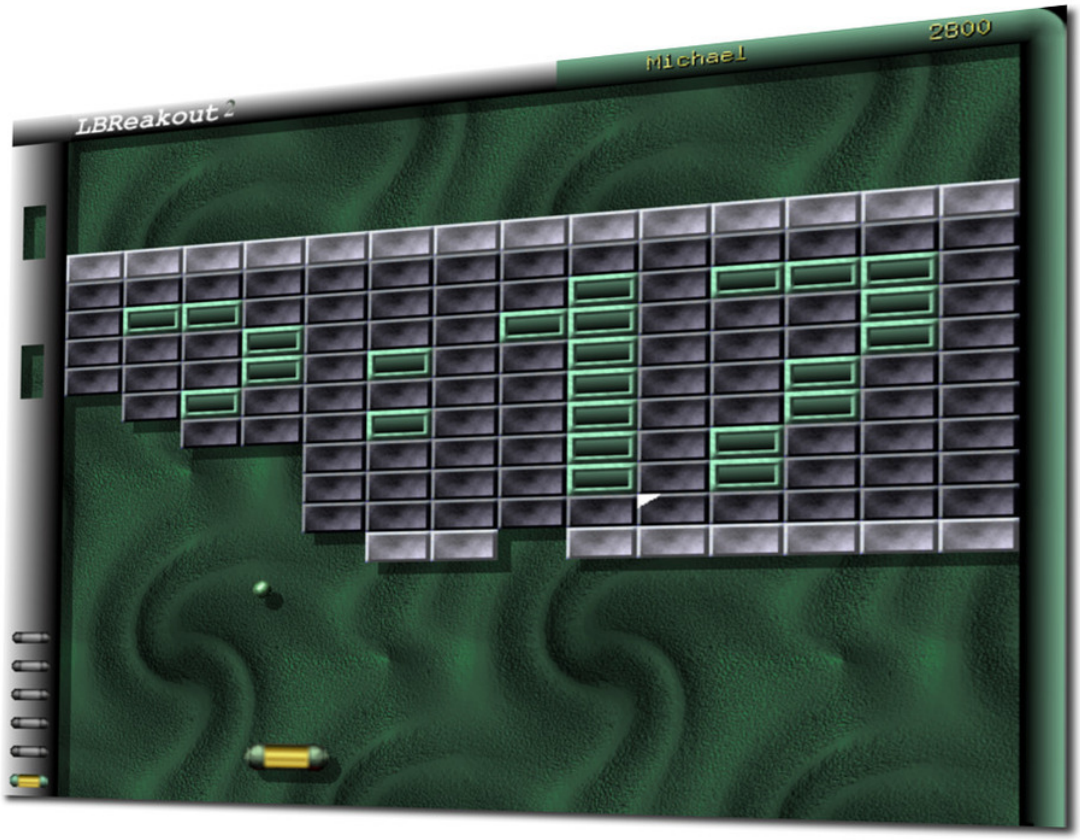
The applications listed in this section cover a broad range of educational, vocational, productivity and entertainment categories. You can select different combinations of these for each SOE required for your PrisonPC system.

Please use the 'Installed Size' and 'Home Footprint' figures to assist in determining the overall size of your SOEs and default or per-user quota requirements.

You can have multiple SOEs, assigning them to one or more independent realms of PrisonPC PILS desktops. For example, the SOE assigned to the cells realms could include games and media applications while the SOE assigned to the library could include only a web browser and office suite.



4.1 Arkanoid (Breakout) Clone



This successor to LBreakout offers you a new challenge in more than 50 levels with loads of new bonuses (goldshower, joker, explosive balls, bonus magnet), maluses (chaos, darkness, weak balls, malus magnet) and special bricks (growing bricks, explosive bricks, regenerative bricks). If you are hungry for more you can create your own levelsets with the integrated level editor.

Category	Recreational
Security Caveat	None
Installed Size	6MB
Home Footprint	85KB

4.2 Asteroids clone

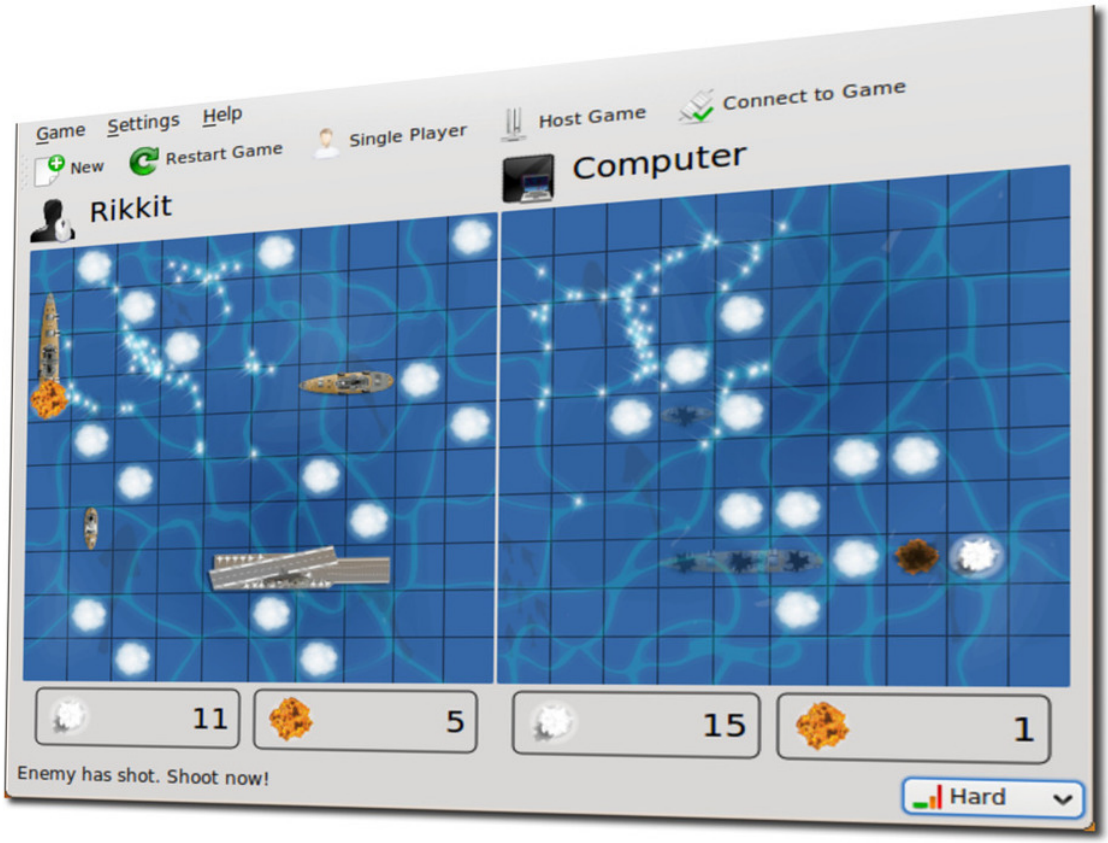
You pilot your ship through the dreaded “Maelstrom” asteroid belt - suddenly your best friend thrusts towards you and fires, directly at your cockpit. You raise your shields just in time, and the battle is joined.

The deadliest stretch of space known to mankind has just gotten deadlier. Everywhere massive asteroids jostle for a chance to crush your ship, and deadly shinobi fighter patrols pursue you across the asteroid belt. But the deadliest of them all is your sister ship, assigned to you on patrol. The pilot, trained by your own Navy, battle hardened by months in the Maelstrom, is equipped with a twin of your own ship and intimate knowledge of your tactics.

The lovely Stratocaster R&R facility never sounded so good, but as you fire full thrusters to dodge the latest barrage you begin to think you’ll never get home.

Category	Recreational
Security Caveat	None
Installed Size	73MB
Home Footprint	11MB

4.3 Battleship Clone



KNavalBattle is an implementation of the well-known Battleship game. Players place their fleet of ships, then take turns firing at the computer-opponent's ships by guessing their coordinates. The first to sink all their opponent's ships wins the battle.

Category	Recreational
Security Caveat	None
Installed Size	245MB
Home Footprint	256KB

4.4 The Battle for Wesnoth

The Battle for Wesnoth is a turn-based tactical strategy game with a high fantasy theme.

Build up a great army, gradually turning raw recruits into hardened veterans. In later games, recall your toughest warriors and form a deadly host whom none can stand against! Choose units from a large pool of specialists, and hand-pick a force with the right strengths to fight well on different terrains against all manner of opposition. Wesnoth has many different sagas waiting to be played. Fight to regain the throne of Wesnoth, of which you are the legitimate heir… step into the boots of a young officer sent to guard a not-so-sleepy frontier outpost… lead a brutal quest to unite the orcish tribes… vanquish a horde of undead warriors unleashed by a foul necromancer, who also happens to have taken your brother hostage… guide a band of elvish survivors in an epic quest to find a new home… get revenge on the orcs by using the foul art of necromancy…

There are at least two hundred unit types, sixteen races, six major factions, and hundreds of years of history. The world of Wesnoth is absolutely huge and only limited by your creativity - make your own custom units, create your own maps, and write your own scenarios or even full-blown campaigns.

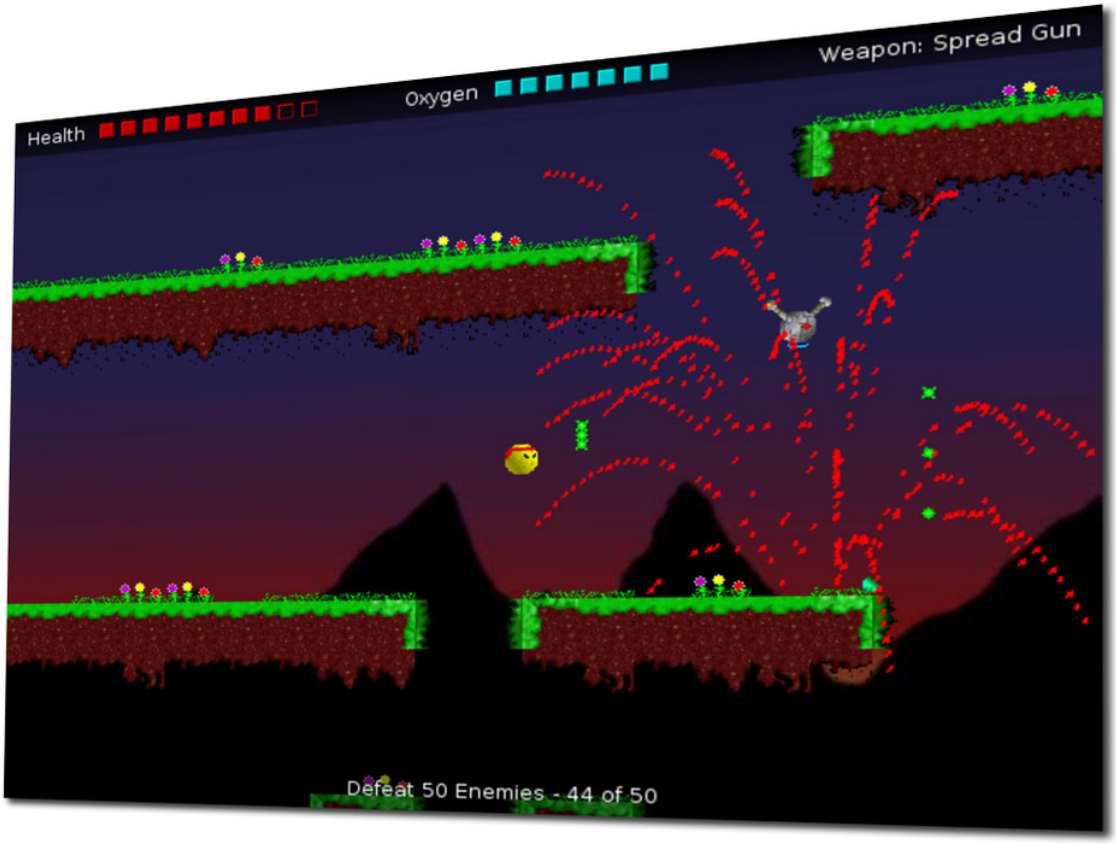
Category	Recreational
Security Caveat	None
Installed Size	345MB
Home Footprint	437KB

4.5 Beneath a Steel Sky

A science-fiction thriller set in a bleak post-apocalyptic vision of the future (Tasmania), Beneath a Steel Sky revolves around "Union City" where selfishness, rivalry, and corruption by its citizens seems to be all too common. Those who can afford it live underground, away from the pollution and social problems which are plaguing the city.

Category	Recreational
Security Caveat	None
Installed Size	101MB
Home Footprint	Negligible

4.6 Blob Wars: Metal Blob Solid



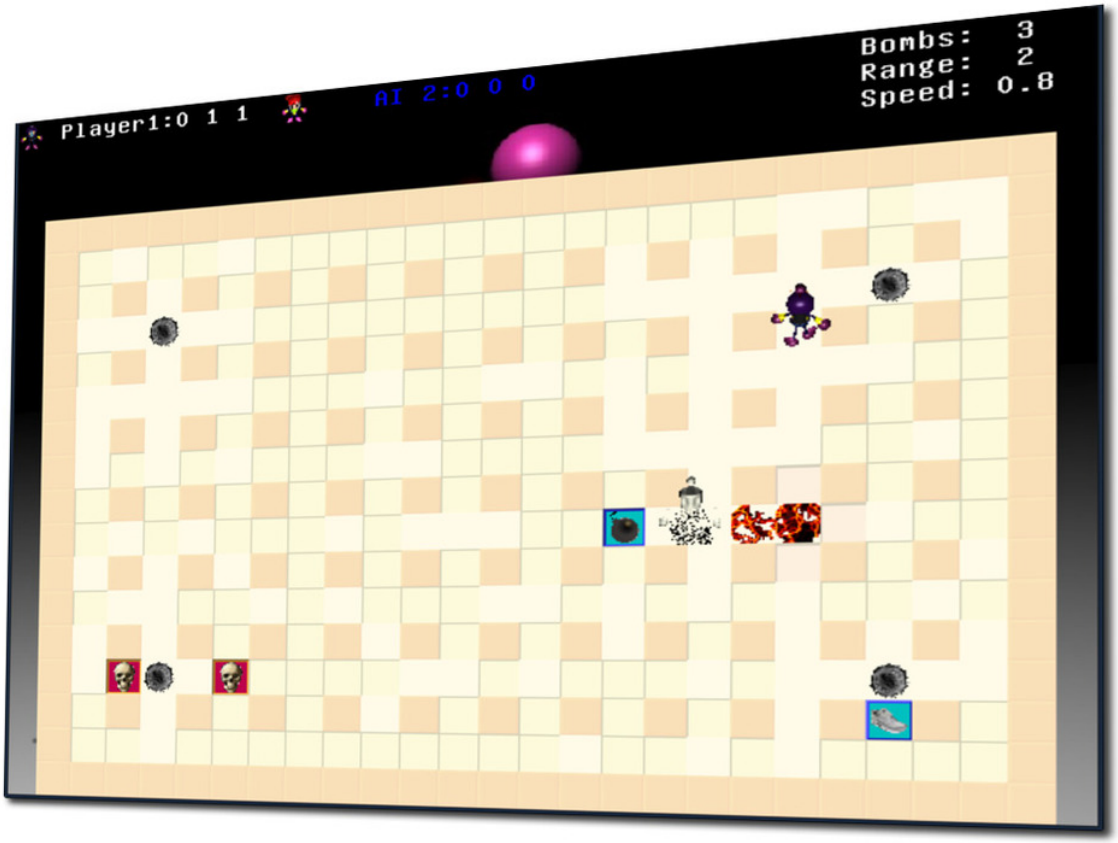
This is a 2D platform game.

Since their world was invaded by an alien race, the Blobs have faced a lifetime of war. But now they have a chance to win the war once and for all.

In Blob Wars: Metal Blob Solid, you take on the role of a fearless Blob agent, Bob. Bob's mission is to infiltrate the various enemy bases around the Blobs' homeworld and rescue as many MIAs as possible. But standing in his way are many vicious aliens, other Blobs who have been assimilated and the evil alien leader, Galdov.

Category	Recreational
Security Caveat	None
Installed Size	77MB
Home Footprint	Negligible

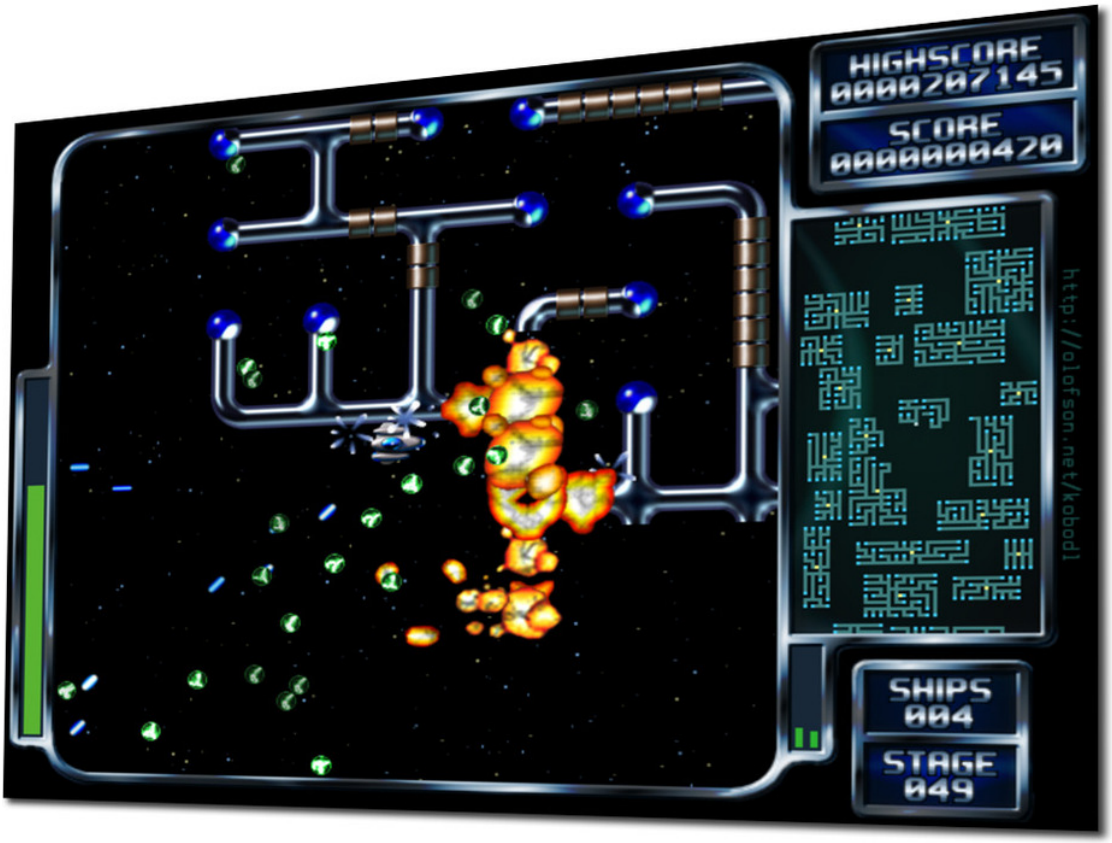
4.7 Bomberman Clone



BomberClone is similar to Bomberman. The rules of the game are simple: run through a level and bomb other AI players. It features powerups that give you more strength, make you walk faster through the level, or let you drop more bombs.

Category	Recreational
Security Caveat	None
Installed Size	9MB
Home Footprint	Negligible

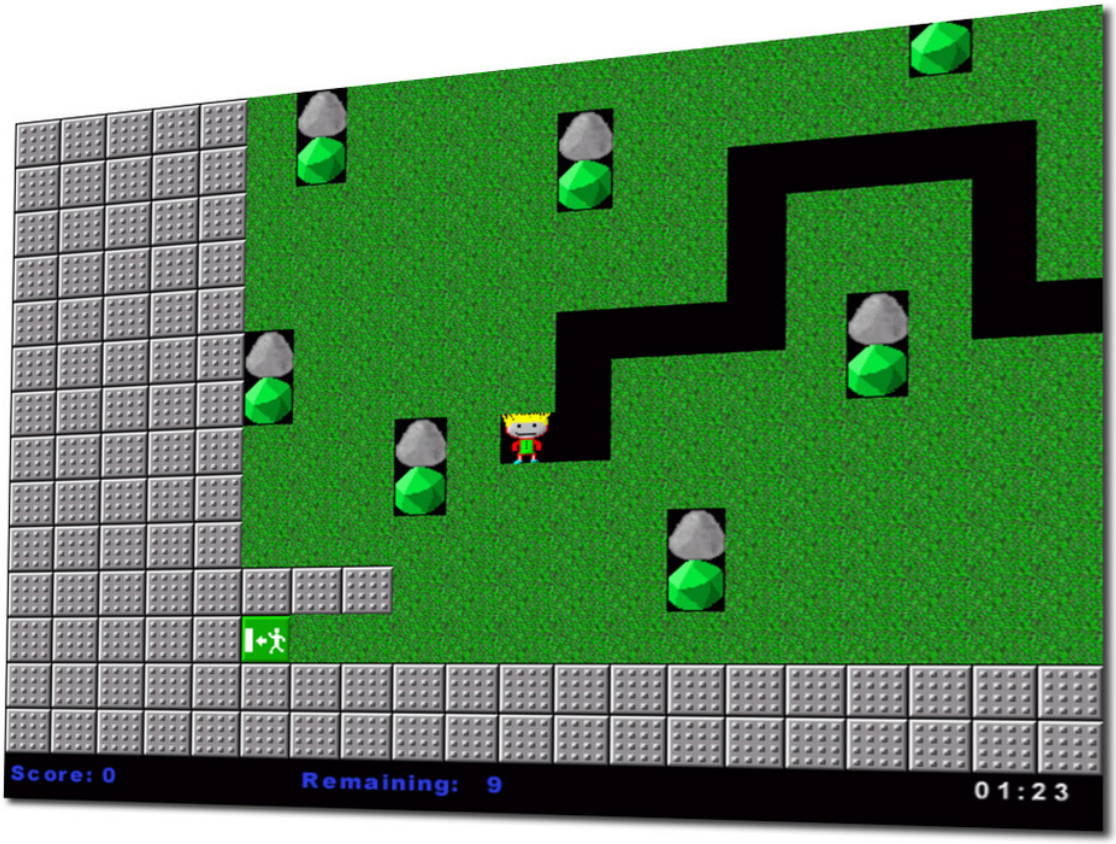
4.8 Bosconian Clone



Kobo Deluxe is a third person scrolling 2D shooter with a simple and responsive control system - which you'll need to tackle the tons of enemy ships that shoot at you, chase you, circle around you shooting, or even launch other ships at you, while you're trying to destroy the labyrinth shaped bases. There are 50 action packed levels with smoothly increasing difficulty, and different combinations of enemies that require different tactics to be dealt with successfully. It's loads of classical arcade style fun.

Category	Recreational
Security Caveat	None
Installed Size	2MB
Home Footprint	Negligible

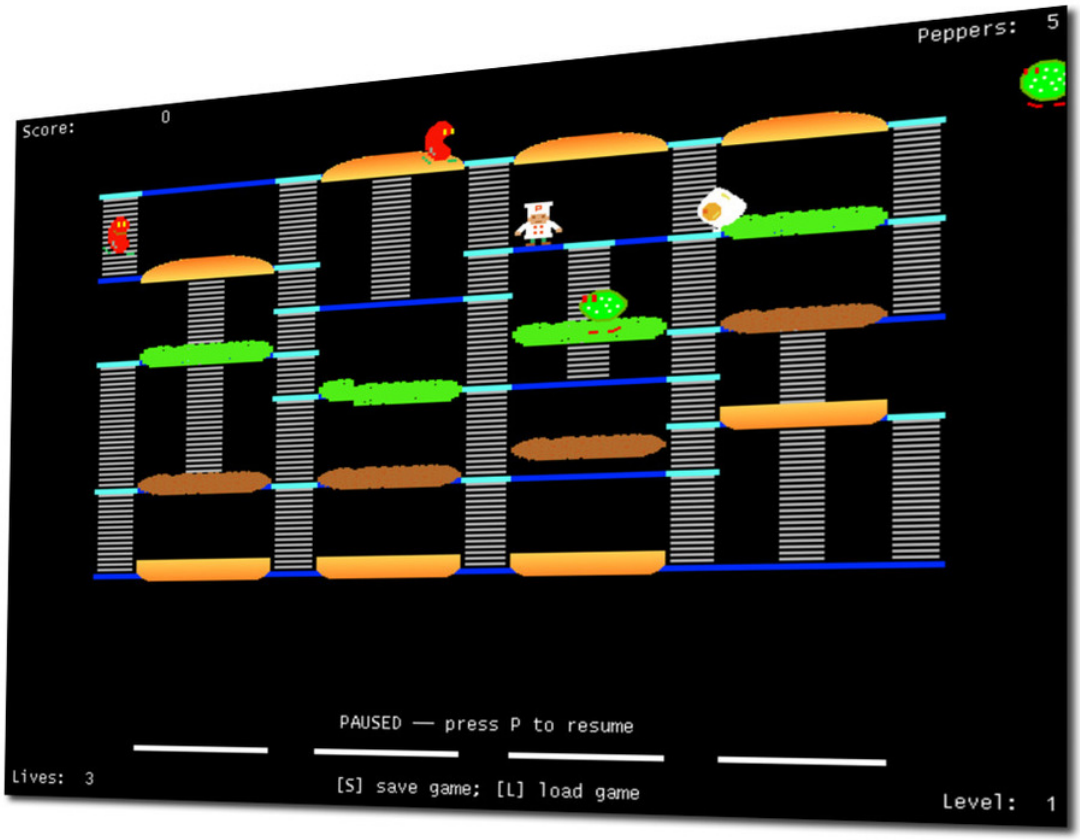
4.9 Boulder Dash Clone



Epiphany is a multi-platform game similar to Boulder Dash. In this game, the player must collect all the valuable minerals scattered in each level, while avoiding being hit by a falling boulder or, worse, by a bomb.

Category	Recreational
Security Caveat	None
Installed Size	7MB
Home Footprint	Negligible

4.10 Burgertime Clone



BurgerSpace is similar to the classic game BurgerTime. You play the part of a chef who must create burgers by stepping repeatedly on the ingredients until they fall into place. To make things more complicated you also must avoid evil animated food items while performing this task with nothing but your trusty pepper shaker to protect you.

Category	Recreational
Security Caveat	None
Installed Size	1MB
Home Footprint	Negligible

4.11 Chess

Chess is a two-player strategy board game, and this game can be played between a combination of human and computer players.

The current form of the game emerged in South Europe in the second half of the 15th century after evolving from similar, much older games of Asian origin. Chess is one of the world's most popular board games. The tradition of competitive chess began in the 16th century. The first official World Chess Champion, Wilhelm Steinitz, claimed his title in 1886; his modern equivalent, Vladimir Kramnik, is the 14th Champion in the lineage. There are also biennial world team events called Chess Olympiads. Since the 20th century, two international organizations, the World Chess Federation and the International Correspondence Chess Federation have organized and overseen the top chess competitions and international titles.

One of the goals of early computer scientists was to create a chess-playing machine, and today's chess is deeply influenced by the overwhelming abilities of current chess programs. In 1997, a match between Garry Kasparov, then World Champion, and IBM's Deep Blue chess program proved that computers are able to beat even the strongest human players.

Category	Recreational
Security Caveat	None
Installed Size	8MB
Home Footprint	Negligible

4.12 Childsplay

Childsplay provides memory activities that are fun to play and at the same time learn sounds, images, letters and numbers; activities that train the student to use the mouse and keyboard and pure game activities like puzzles, pong, pacman and billiards.

Category	Mathematics (Years 1 through 10), English (Years 1 through 10)
Security Caveat	None
Installed Size	39MB
Home Footprint	110KB

4.13 Civilization Clone

Freeciv is a single-player and multi-player turn-based strategy game inspired by the popular Sid Meier's Civilization series of games.

The game's default settings are closest to Civilization II, in both gameplay and graphics (including the units and the isometric grid). Players take the role of tribal leaders in 4000 B.C. who must guide their peoples through the centuries. Over time, new technologies are discovered, which allow the construction of new city buildings and the deployment of new units. Players can wage war on one another or form diplomatic relationships.

The game ends when one civilization has eradicated all others or accomplished the goal of space colonization, or at a given deadline. If more than one civilization remains at the deadline, the player with the highest score wins. Points are awarded for the size of a civilization, its wealth, and cultural and scientific advances.

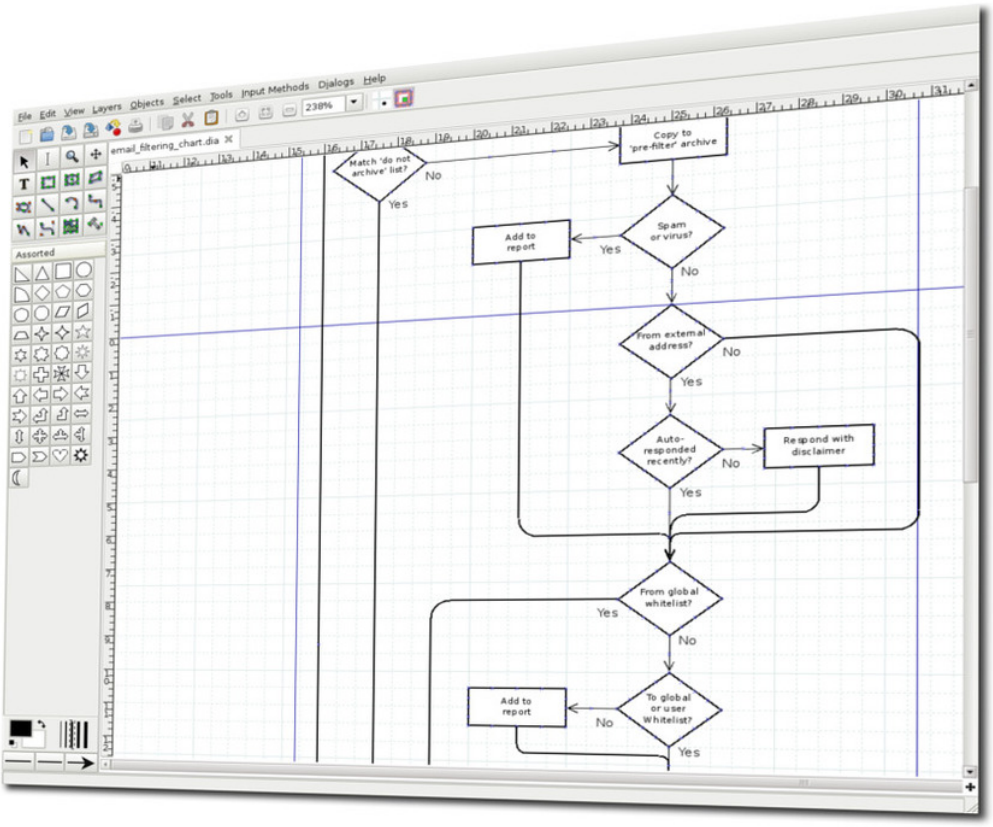
Category	Recreational
Security Caveat	None
Installed Size	46MB
Home Footprint	Negligible

4.14 Crack Attack

Crack attack is a puzzle game similar to the Super Nintendo game Tetris Attack. Slowly, your stack of colored blocks grows from the bottom and you've got to make sure it never reaches the top. If it does, you lose. To eliminate blocks from the stack, line up at least three of one color, horizontally or vertically. Once you do, those blocks disappear and put off slightly your inevitable demise.

Category	Recreational
Security Caveat	None
Installed Size	5MB
Home Footprint	480KB

4.15 Diagram Editor



Dia is an editor for diagrams, graphs, charts etc. There is support for UML static structure diagrams (class diagrams), Entity-Relationship diagrams, network diagrams and much more. Diagrams can be exported to postscript and many other formats.

Category	Visual Communications and Design, Information and Communications Technology
Security Caveat	None
Installed Size	59MB
Home Footprint	119KB

4.16 Cuyo

Cuyo, named after a Spanish relative adjective, shares with tetris that things fall down and how to navigate them. When enough “of the same type” come “together”, they explode. The goal of each level is to blow special “stones” away that you start with. But what “of the same type” and “together” means, varies with the levels.

Category	Recreational
Security Caveat	None
Installed Size	4MB
Home Footprint	Negligible

4.17 Edutainment Suite - GCompris

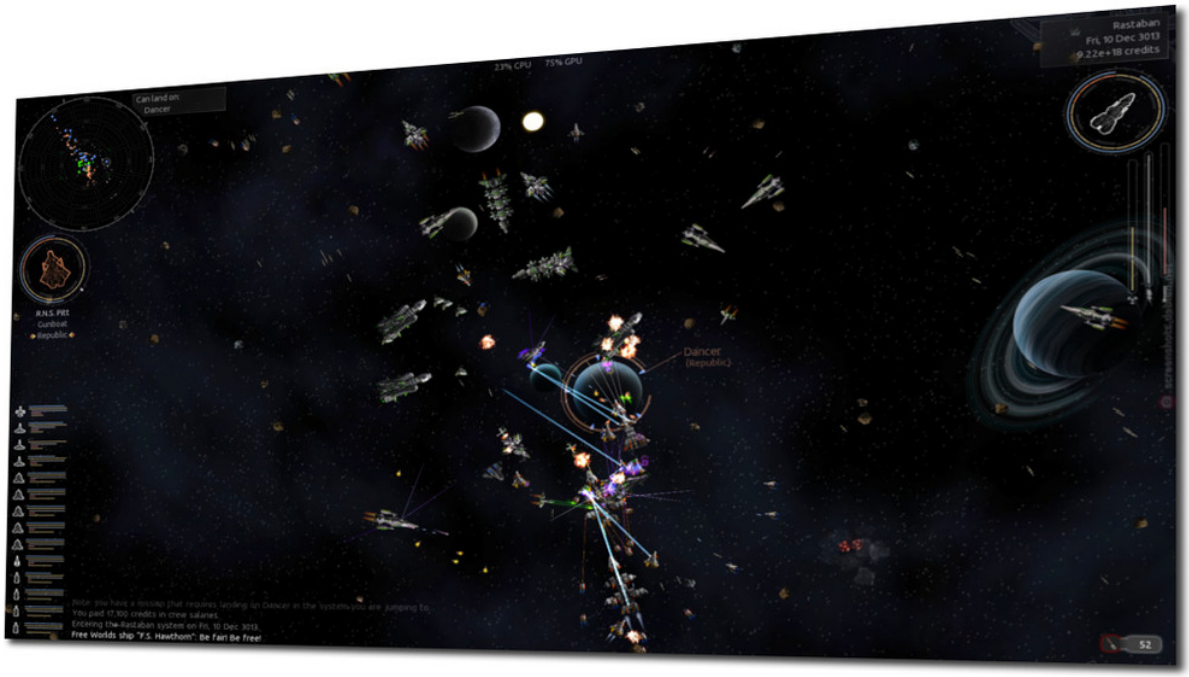
GCompris is a high quality educational software suite comprising of numerous activities for children aged 2 to 10. While some of the activities seem game orientated they are still educational.

Some of the activities included:

- computer discovery: keyboard, mouse, different mouse gestures
- arithmetic: table memory, enumeration, double entry table, mirror image
- science: the canal lock, the water cycle, the submarine, electric
- geography: place the country on the map
- games: chess, memory, connect 4, oware, sudoku
- reading: reading practice
- other: learn to tell time, puzzle of famous paintings, vector drawing, cartoon making

Category	English (Years 1 through 10), English (Years 11, 12)
Security Caveat	None
Installed Size	203MB
Home Footprint	566KB

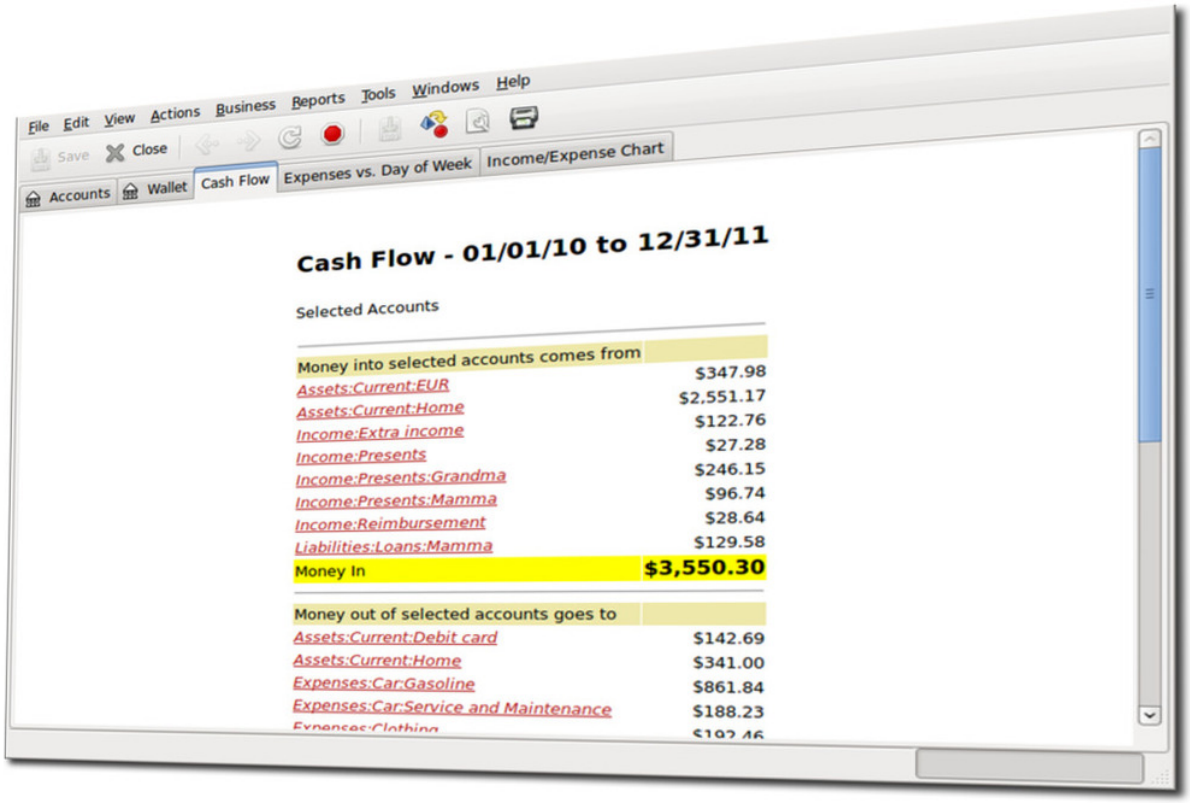
4.18 Endless Sky



Explore other star systems. Earn money by trading, carrying passengers, or completing missions. Use your earnings to buy a better ship or to upgrade the weapons and engines on your current one. Blow up pirates. Take sides in a civil war. Or leave human space behind and hope to find some friendly aliens whose culture is more civilized than your own.

Category	Recreational
Security Caveat	None
Installed Size	50MB
Home Footprint	Negligible

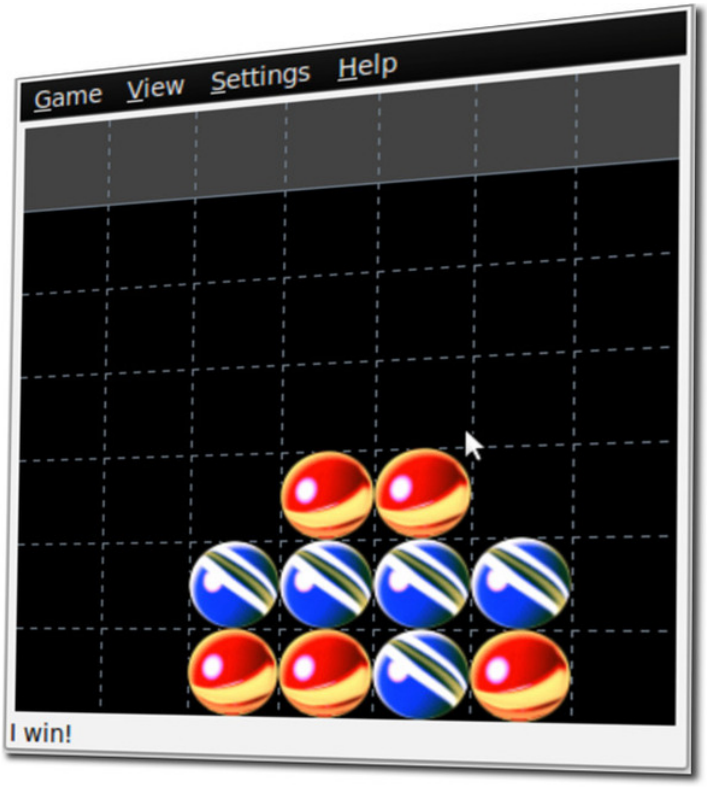
4.19 Finance Management



Gnucash is a personal finance and money tracking program and can track finances in multiple accounts, keeping running and reconciled balances. It has supports double entry, a hierarchy of accounts, expense accounts (categories), and can import Quicken QIF files and OFX files.

Category	Accounting
Security Caveat	None
Installed Size	296MB
Home Footprint	116KB

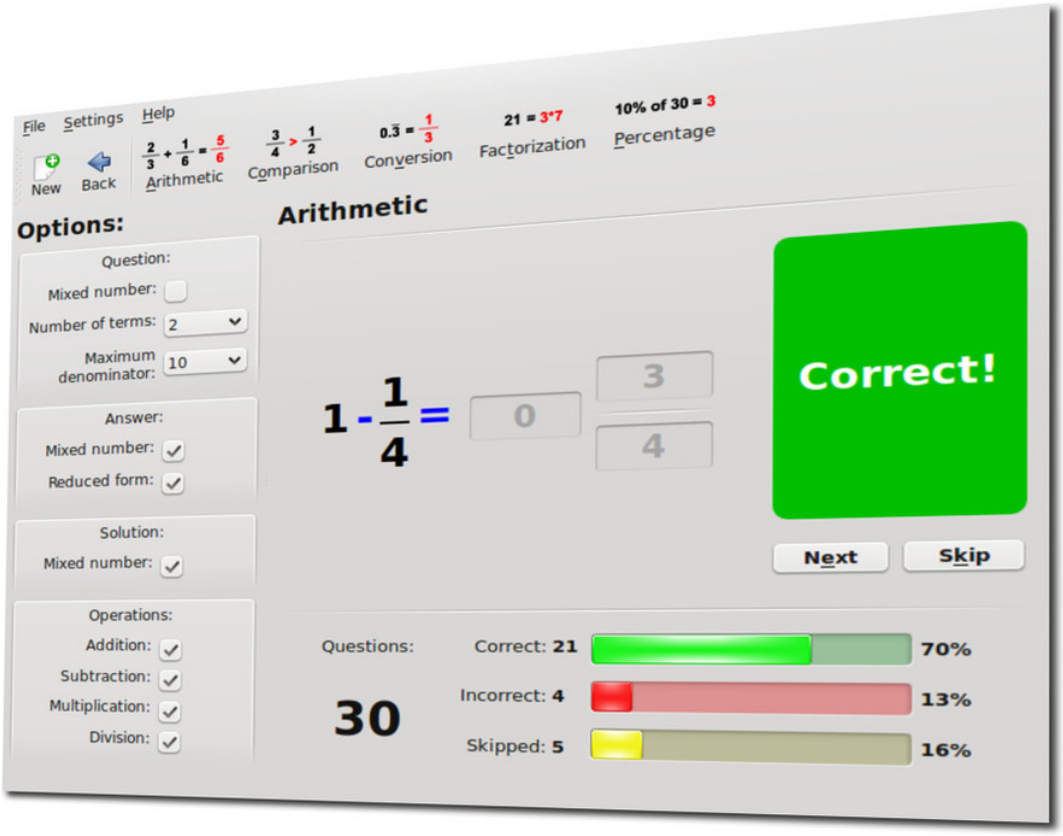
4.20 Four in a Row



Four in a Row is similar to Connect Four where the objective of the game is to build a line of four of your marbles while trying to stop your opponent building a line of their own. A line can be horizontal, vertical or diagonal.

Category	Recreational
Security Caveat	None
Installed Size	7MB
Home Footprint	Negligible

4.21 Fractions Trainer



KBruch is an aid for learning how to calculate with fractions and percentages. Different exercises are provided for this purpose and you can use the learning mode to practice with fractions. The program checks the user's input and gives feedback.

Features include:

- Arithmetics — solve a given fraction task. You have to enter the numerator and the denominator. This is the main exercise.
- Comparisons — compare the size of 2 given fractions, using the symbols >, < or =.
- Conversions — convert a given number into a fraction.
- Factorizations — factorize a given number into its prime factors.
- Percentages — calculate percentages.

Category	Mathematics (Years 1 through 10)
Security Caveat	None
Installed Size	244MB
Home Footprint	255KB

4.22 Frozen Bubble

Frozen Bubble is a clone of the popular “Puzzle Bobble” game, in which you attempt to shoot bubbles into groups of the same color to cause them to pop. It features 100 single-player levels, music, and striking graphics.

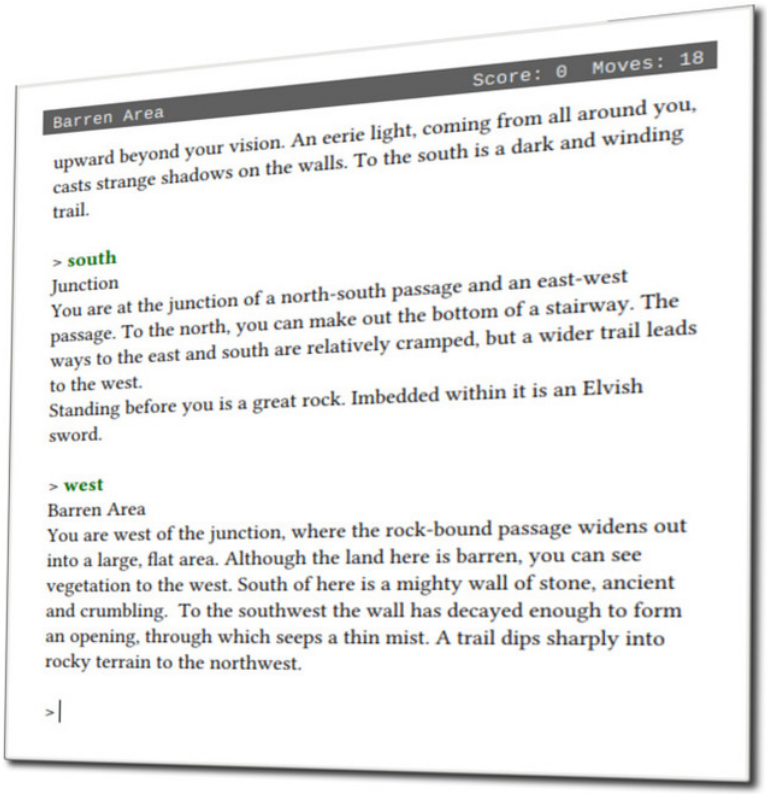
The game mainly consists of firing randomly chosen bubbles across the board. If the shoot ends up having a clump of at least 3 bubbles of the same color, they all pop, taking with them any bubbles connected only to the same clump. In single-player mode the goal is to pop all the bubbles on the board as quickly as possible. In dual-player mode you have to get your opponent to “die” before you.

As a beginner the best training is to choose ‘Play Default Levelset’ which lets you run through 100 levels of an increasing difficulty. Pop all the bubbles of each level to advance to the next level. If you want to train for multiplayer choose ‘Multiplayer Training’ which reproduces the conditions of dual-player mode; the only difference is that created malus bubbles are counted in your score, and you must get the highest score you can in 2 minutes.

In dual-player mode you can play against a friend (or a foe, actually) on the same computer. The board is populated with random bubbles, and your goal is to make big clumps to send malus bubbles to your opponent.

Category	Recreational
Security Caveat	None
Installed Size	63MB
Home Footprint	Negligible

4.23 Gargoyle and Text Adventure Pack



Gargoyle is an Interactive Fiction (text adventure) game engine. It can play a substantial number of interactive fiction games. The following are titles available in this software bundle (any, or all, may be selected):

Hitchhiker's Guide to the Galaxy[4] - In this story, you will be Arthur Dent, a rather ordinary earth creature who gets swept up in a whirlwind of interstellar adventures almost beyond comprehension.

Zork[5] - Many strange tales have been told of the fabulous treasure, exotic creatures, and diabolical puzzles in the Great Underground Empire. As an aspiring adventurer, you will undoubtedly want to locate these treasures and deposit them in your trophy case.

Zork: II[6] - As you explore the subterranean realm of Zork, you'll continually be confronted with new surprises. Chief among these is the Wizard himself, who'll constantly endeavor to confound you with his capricious powers. But more than that, you'll face a challenge the likes of which you've never experienced before.

Zork: III[7] - Zork III: The Dungeon Master draws you into the deepest and most mysterious reaches of the Great Underground Empire. Nothing is as it seems. And the one responsible for the shadow and darkness - the Dungeon Master - embodies the greatest mystery of all.

Zork: The Undiscovered Underground[8] - Grubald the Bold, Matchlick the Mighty, Linklaw the Lucky; all of the great Heroes are busy, laid up, contracted or dead. So it is you who gets to explore a never before seen part of the Great Underground Empire, giving you the chance to finally see a Grue by daylight!

[4] http://ifdb.tads.org/viewgame?id=ouv80gvsl32xlion
[5] http://ifdb.tads.org/viewgame?id=4gxk83ja4twckm6j
[6] http://ifdb.tads.org/viewgame?id=yzzm4puxyjakk8c4
[7] http://ifdb.tads.org/viewgame?id=vrsot1zgy1wfcdru
[8] http://ifdb.tads.org/viewgame?id=40hswtkhap88gzvn

Blue Lacuna[9] - a story about someone destined to be part of a special group of people, who drift around the universe until they have a calling to help others of their kind.

Nightfall[10] - entails staying behind in a city that has been abandoned to darker forces to find someone.

Jigsaw[11] - a whirlwind tour of the 20th century. Hunt for the jigsaw pieces that allow you to travel trough time, following a charming stranger who wants to "improve" history.

Savoir-Faire[12] - once a prominent member of the rich and elite, you have now fallen into debt.

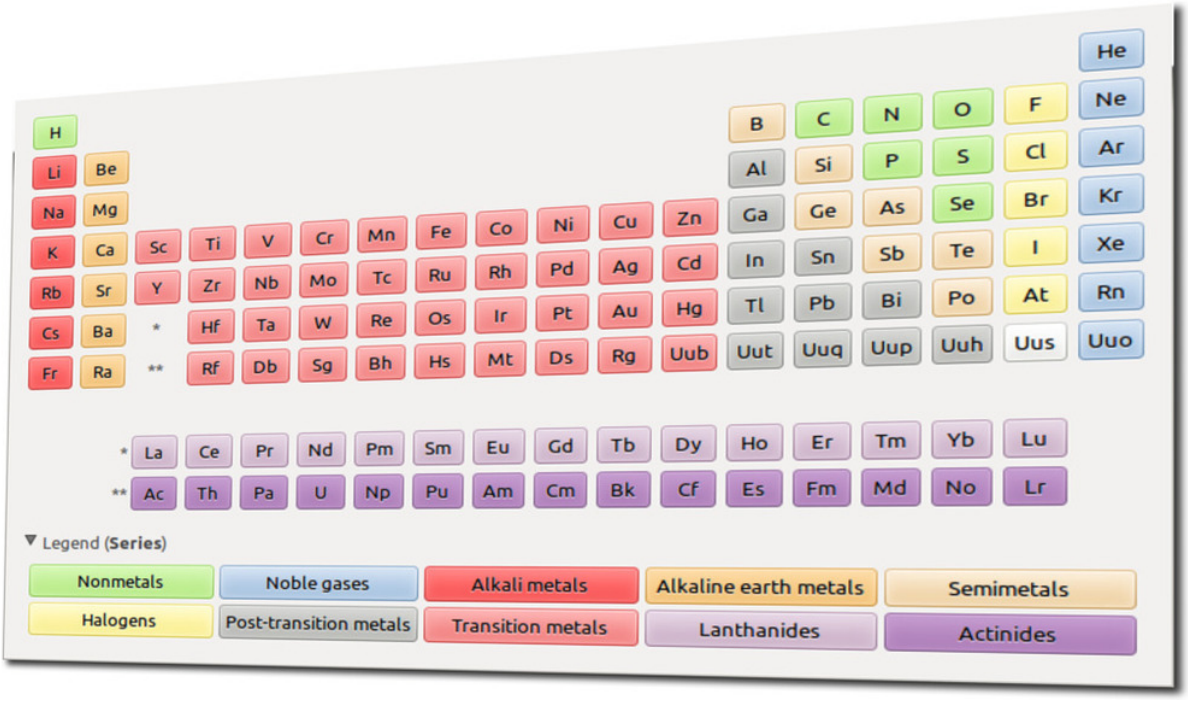
Lost Pig[13] - Grunk goes on an adventure to find and bring back the lost pig.

Curses[14] - you are searching through an attic for something and find more than you where hoping to.

Category	Recreational
Security Caveat	None
Installed Size	16MB
Home Footprint	Negligible

[9] http://ifdb.tads.org/viewgame?id=ez2mcyx4zi98qlkh
[10] http://ifdb.tads.org/viewgame?id=3a4kqs374jqu2li6
[11] http://ifdb.tads.org/viewgame?id=28uhmejlntcbccqm
[12] http://ifdb.tads.org/viewgame?id=p0cizeb3kiwzlm2p
[13] http://ifdb.tads.org/viewgame?id=mohwfk47yjzii14w
[14] http://ifdb.tads.org/viewgame?id=plvzam05bmz3enh8

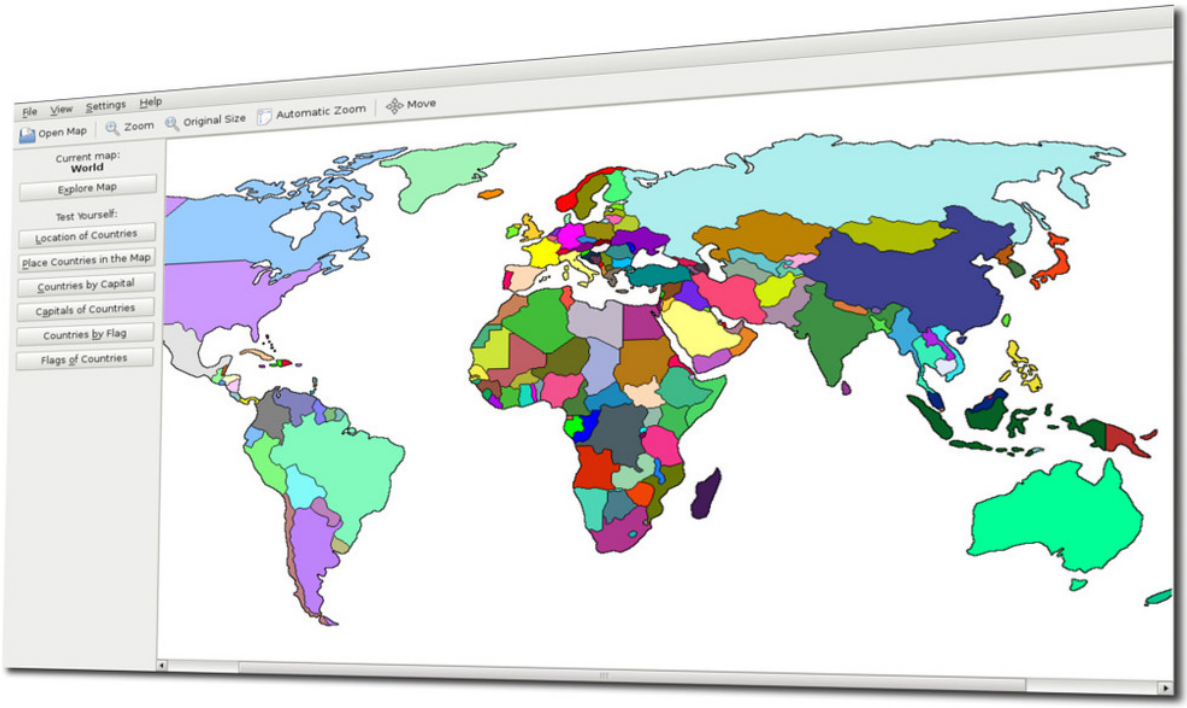
4.24 Gelemental



Gelemental is a periodic table viewer that provides detailed information about chemical elements. It features a table view which allows the elements to be coloured thematically by several properties, a sortable list view and an element properties dialog, displaying a variety of information, including historical, thermodynamic, electrochemical, and crystallographic properties.

Category	Educational
Security Caveat	None
Installed Size	12MB
Home Footprint	Negligible

4.25 Geography Trainer



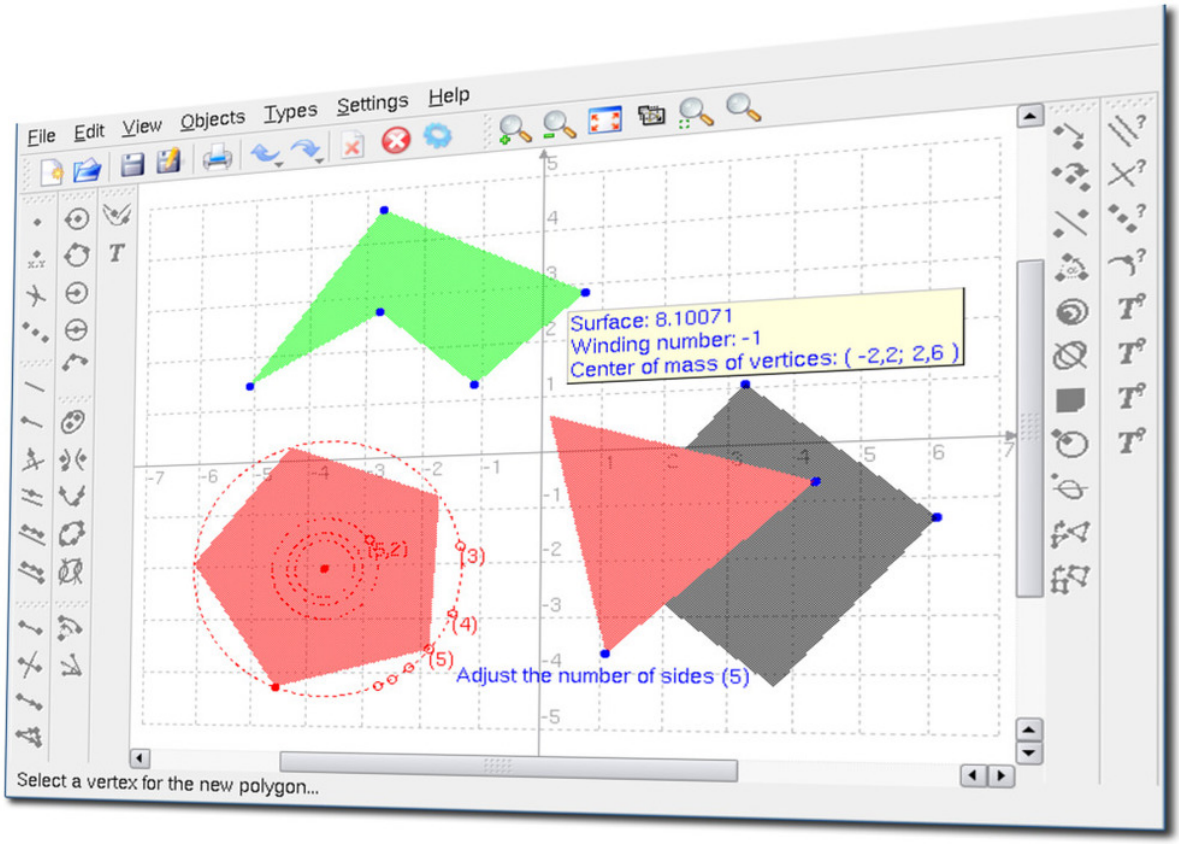
KGeography is an aid for learning about world geography. You can use it to explore a map, show information about regions and features, and play quiz games to test your geography knowledge.

Features include:

- Browse the maps clicking in a map division to see its name, capital and flag
- Find the country by name
- Find which country the capital belongs to
- Guess the flag for a given country
- Guess the country for a given flag
- Place countries in their correct locations on the world map

Category	Geography
Security Caveat	None
Installed Size	250MB
Home Footprint	2MB

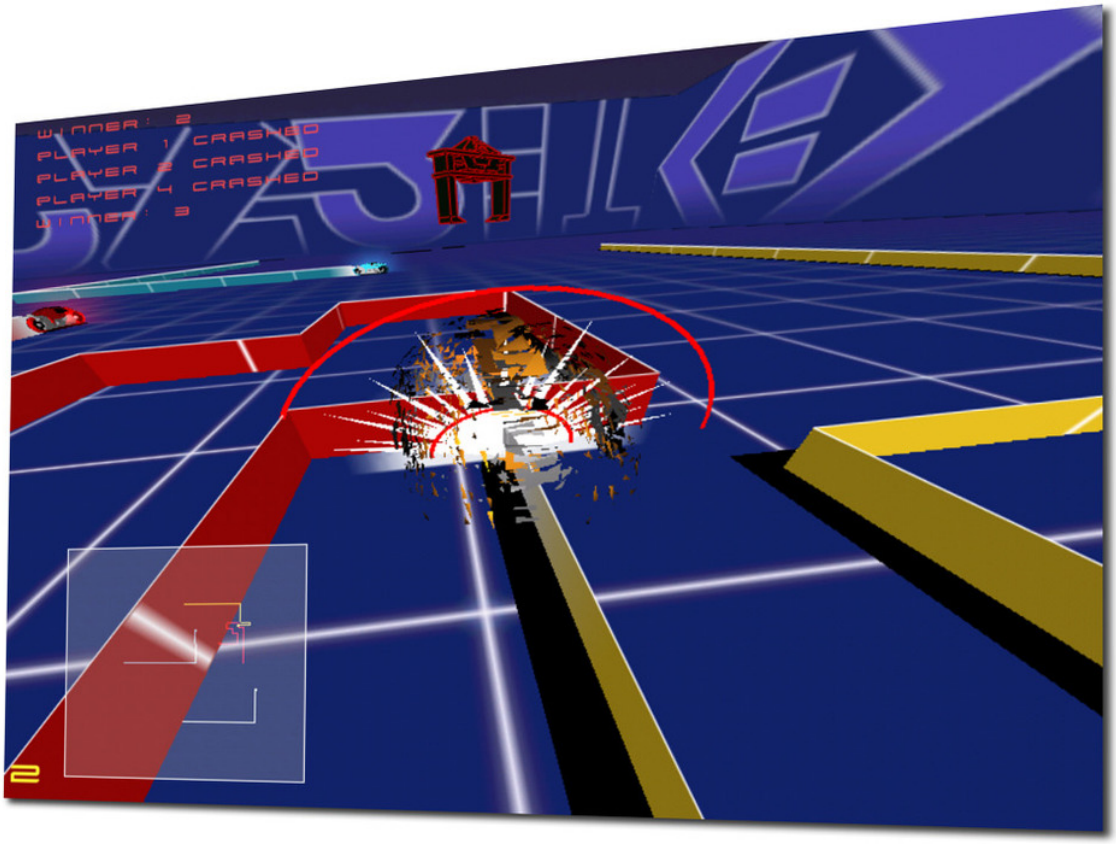
4.26 Geometry Drawing & Practice



Kig is an application for interactive geometric construction, allowing students to interactively explore mathematical figures and concepts and serves as a WYSIWYG tool for drawing mathematical figures and including them in other documents.

Category	Mathematics (Years 1 through 10), Mathematics (Years 11, 12)
Security Caveat	Embeds a REPL that includes a full-function programming language.
Installed Size	248MB
Home Footprint	289KB

4.27 glTron

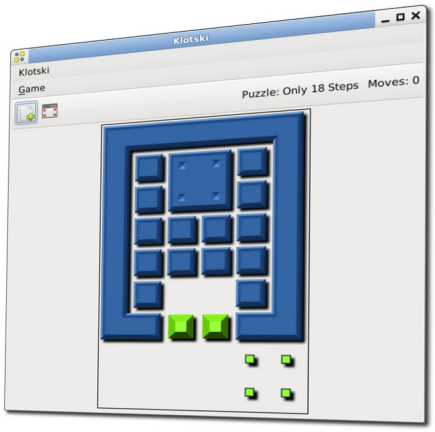


3D lightcycle game. glTron is a tron-like lightcycle game with a nice 3D perspective.

You steer a futuristic bike, called a lightcycle. Combat takes place in a rectangular arena. Your bike leaves a trail behind, which is like a wall. The goal is to force the other players to drive into a wall. The winner is the last player alive.

Category	Recreation
Security Caveat	None
Installed Size	3MB
Home Footprint	Negligible

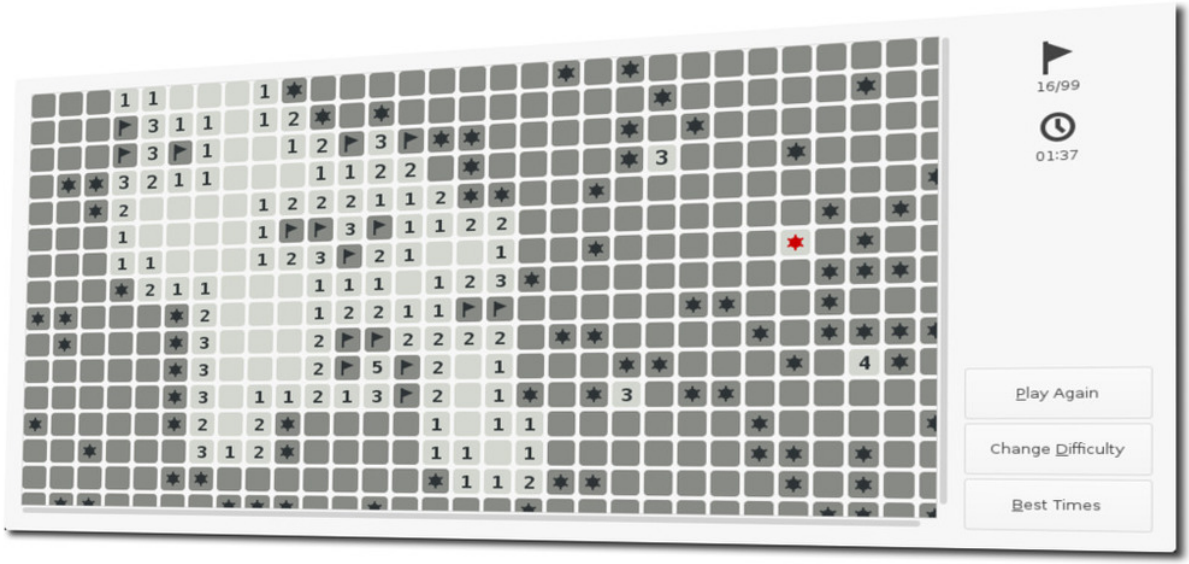
4.28 Gnome-Klotski



The objective is to move a patterned block to a given place using the mouse, in as few moves as possible. Other blocks will need to be moved out of the way.

Category	Recreation
Security Caveat	None
Installed Size	6MB
Home Footprint	Negligible

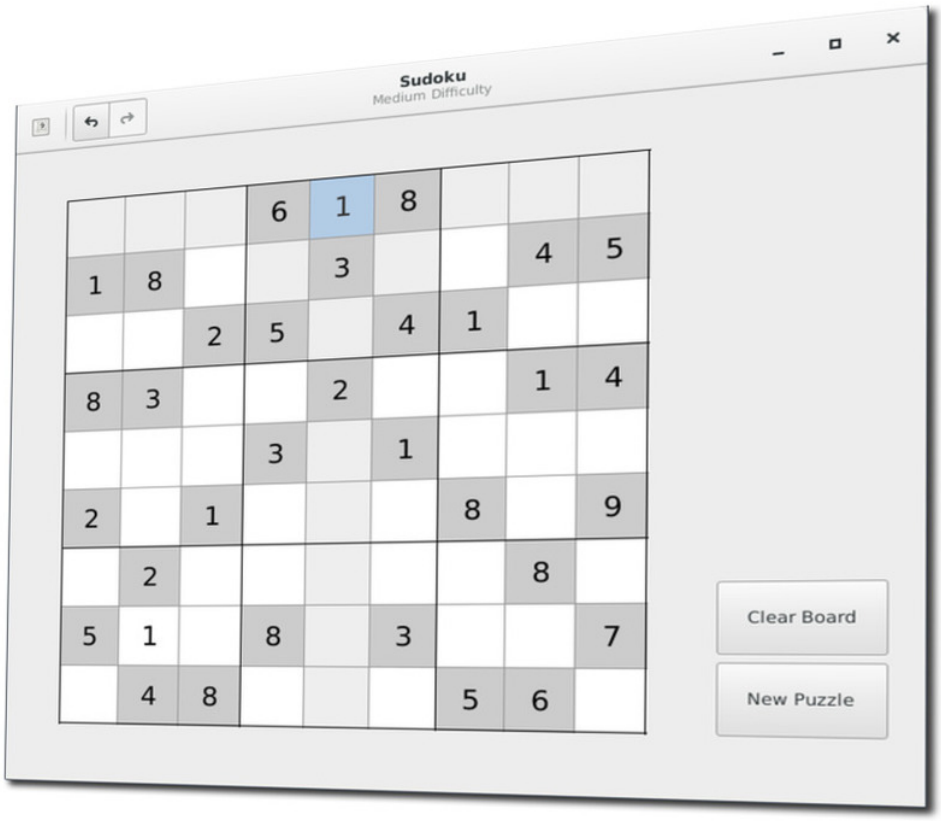
4.29 Gnome-mines



Gnome-mines is similar to the game Minesweeper. The aim is to locate all the mines that are hidden under tiles on a rectangular board. You will need to use a combination of logic and luck to find all the mines without triggering an explosion.

Category	Recreational
Security Caveat	None
Installed Size	8MB
Home Footprint	Negligible

4.30 Gnome-sudoku



Sudoku is a logic-based, combinatorial number-placement puzzle. The objective is to fill a 9×9 grid with digits so that each column, each row, and each of the nine 3×3 subgrids that compose the grid (also called "boxes", "blocks", "regions", or "subsquares") contains all of the digits from 1 to 9.

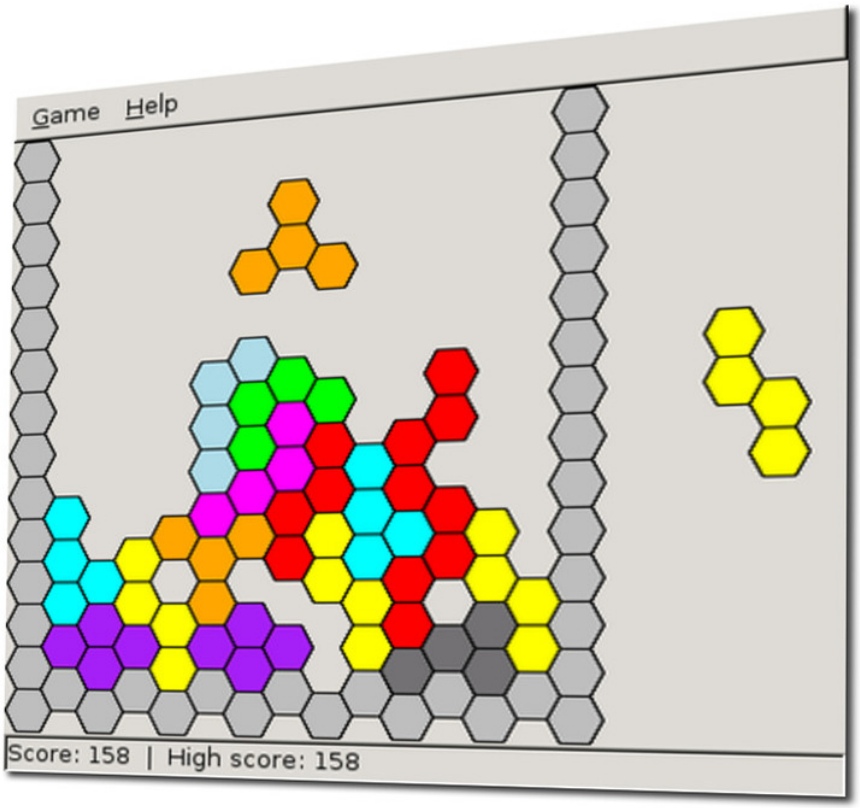
- Each horizontal row (shown in pink) contains each digit exactly once
- Each vertical column (shown in yellow) contains each digit exactly once
- Each subgrid or region (shown in green) contains each digit exactly once

Solving a sudoku puzzle does not require knowledge of mathematics; simple logic suffices. In each sudoku puzzle, several digits have already been entered (the "givens"); these may not be changed. The puzzler's job is to fill the remainder of the grid with digits while respecting the three constraints mentioned above.

In spite of the game's apparent simplicity, sudoku can be highly addictive. While the first sudoku puzzle was published as early as 1979 the game's popularity really took off in 2005. It can now be found in many newspapers and magazines around the world.

Category	Mathematics (Years 1 through 10), Recreational
Security Caveat	None
Installed Size	8MB
Home Footprint	Negligible

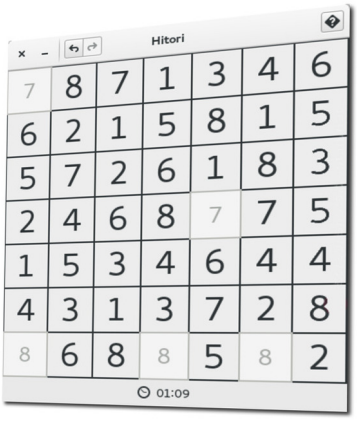
4.31 Hexagonal Tetris Clone



The object of the game is basically the same as in Tetris; use the pieces that fall down from the top of the game area to construct fully filled lines, which will then disappear to make room for more pieces. The twist, as first introduced by Markley, is that the pieces are composed of hexagonal blocks, so your visualization skills will get an extra workout.

Category	Recreational
Security Caveat	None
Installed Size	47MB
Home Footprint	Negligible

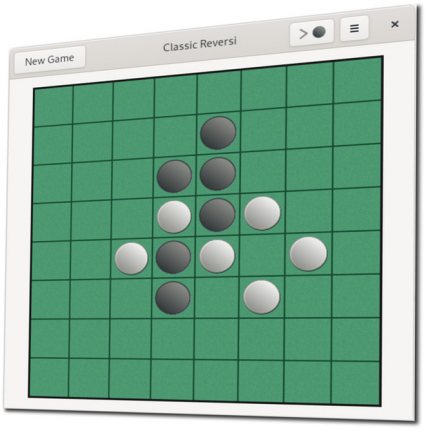
4.32 Hitori



Hitori puzzles give you a grid filled with numbers. The goal is to remove numbers such that no row or column contains duplicates. It has undo/redo support, can give hints, and generates puzzles up to 10x10 cells large.

Category	Recreational
Security Caveat	None
Installed Size	1MB
Home Footprint	Negligible

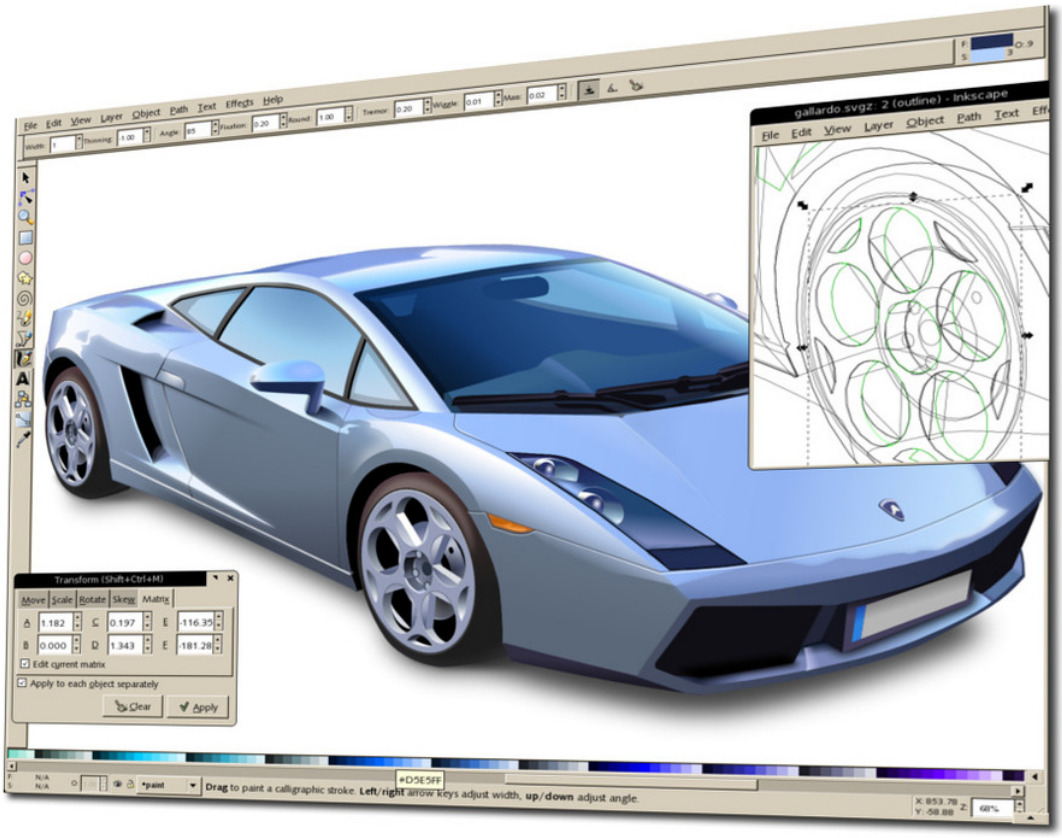
4.33 Iagno



Iagno is a computer version of the game Reversi, more popularly called Othello. Iagno is a two player strategy game similar to Go. The board is 8 by 8 with tiles that are black on one side and white on the other side. The object of Iagno is to flip as many of your opponent's tiles to your color as possible without your opponent flipping your tiles. This is done by trapping your opponent's tiles between two tiles of your own color.

Category	Recreational
Security Caveat	None
Installed Size	7MB
Home Footprint	Negligible

4.34 Inkscape

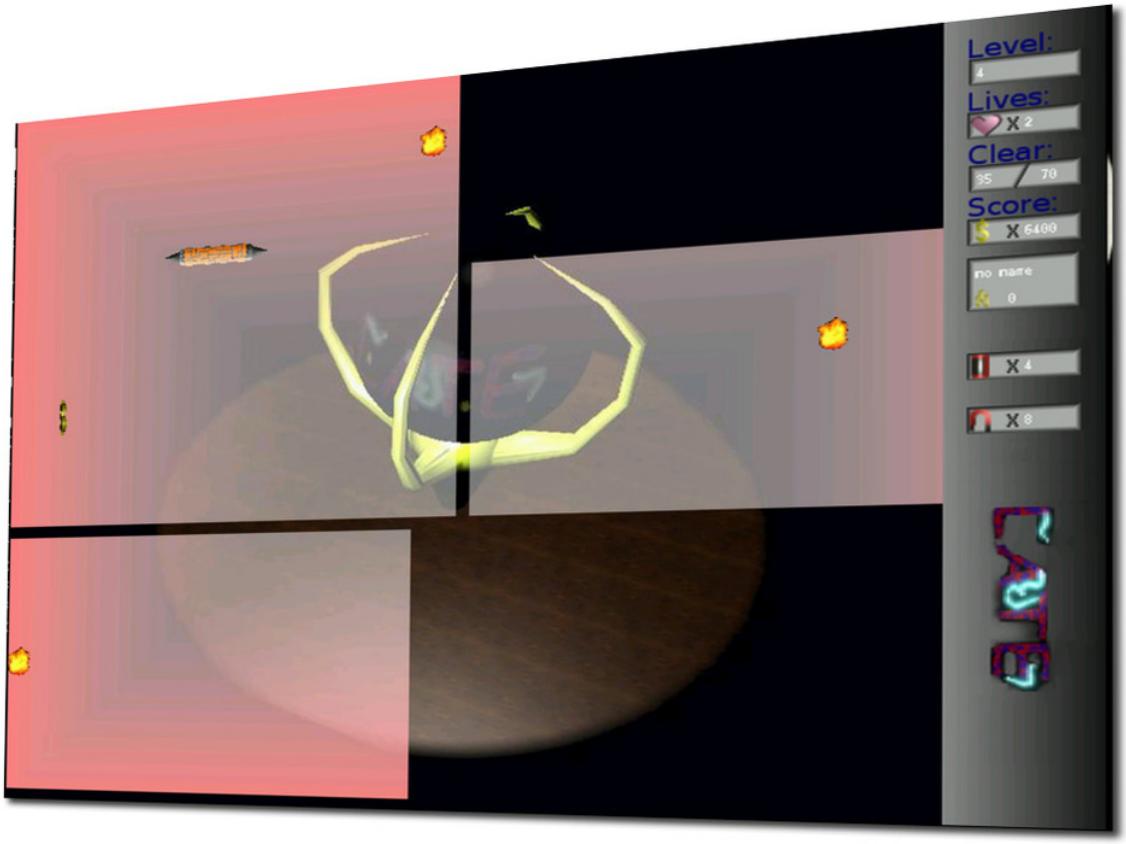


Inkscape is a professional vector graphics editor, similar to CorelDraw® and others. Whether you are an illustrator, designer, web designer or just someone who needs to create some vector imagery, Inkscape is for you.

- Flexible drawing tools
- Broad file format compatibility
- Powerful text tool
- Bezier and spiro curves

Category	Visual Communications and Design, Art
Security Caveat	None
Installed Size	167MB
Home Footprint	112KB

4.35 JezzBall clone



Your mouse controls a sophisticated tool against evil: a fancy tube. This is your weapon, a savage guillotine that cuts up wallpaper with not a shred of hesitation nor remorse. It has but one weakness, it can withstand only a few impacts with balls.... But fortunately for you, the evil, heartless little balls also have a weakness, they can only travel across the original terrain and may be locked up tight by its removal.

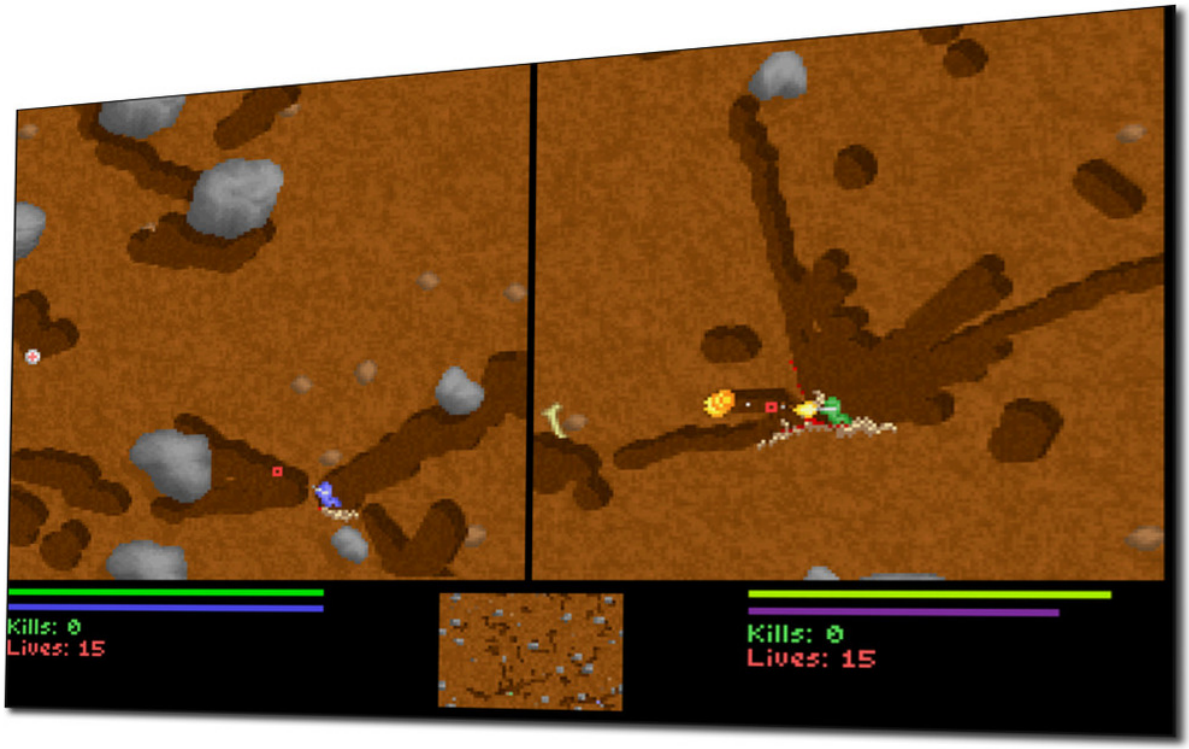
And lock them up tight you must, for the only way to exact vengeance from these ricocheting fiends is to choke them out of existence. Your guillotine is sharp and quick, it may be shot out using the left button, and its orientation may be changed in ninety degree increments with the right, but once you fire, there is no way to stop its cutting and razing until it has made its cut, or been struck.

The balls, in their spherical cunning have developed many tricks beyond just the contemptible bounce tactics of the simple fireball, there are balls made from goo that divide and disperse when hit and can reform in an effort to confuse their prey. There are unstable groups of three balls that will spontaneously explode when encapsulated tight enough. There are balls that will teleport for surprise tactics. And even cold blooded balls that will move towards the cutters whenever they are seen.

You must fight these cruel balls, and you must prevail!

Category	Recreational
Security Caveat	None
Installed Size	4MB
Home Footprint	Negligible

4.36 Liero



Liero is a simple game. Pick your five weapons, and unleash your inner fury. The game is always played one versus one (or A.I.) on a map of your choice.

You need to figure out how to swing yourself to safety with the ninja rope, to use timed weapons for area denial, to hunt without being hunted, to ambush, hit and run, and control that darn guided missile.

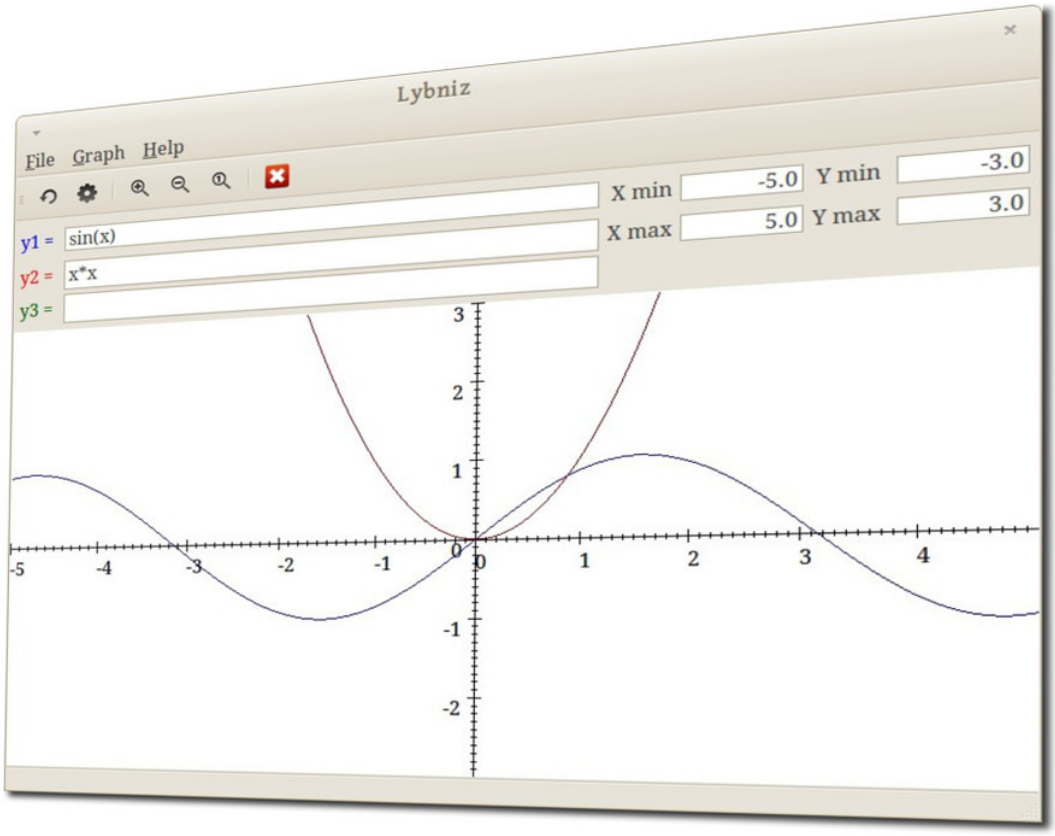
Category	Recreational
Security Caveat	None
Installed Size	3MB
Home Footprint	Negligible

4.37 Lights-Off

Puzzle where all lights have to be switched off.

Category	Recreational
Security Caveat	None
Installed Size	9MB
Home Footprint	Negligible

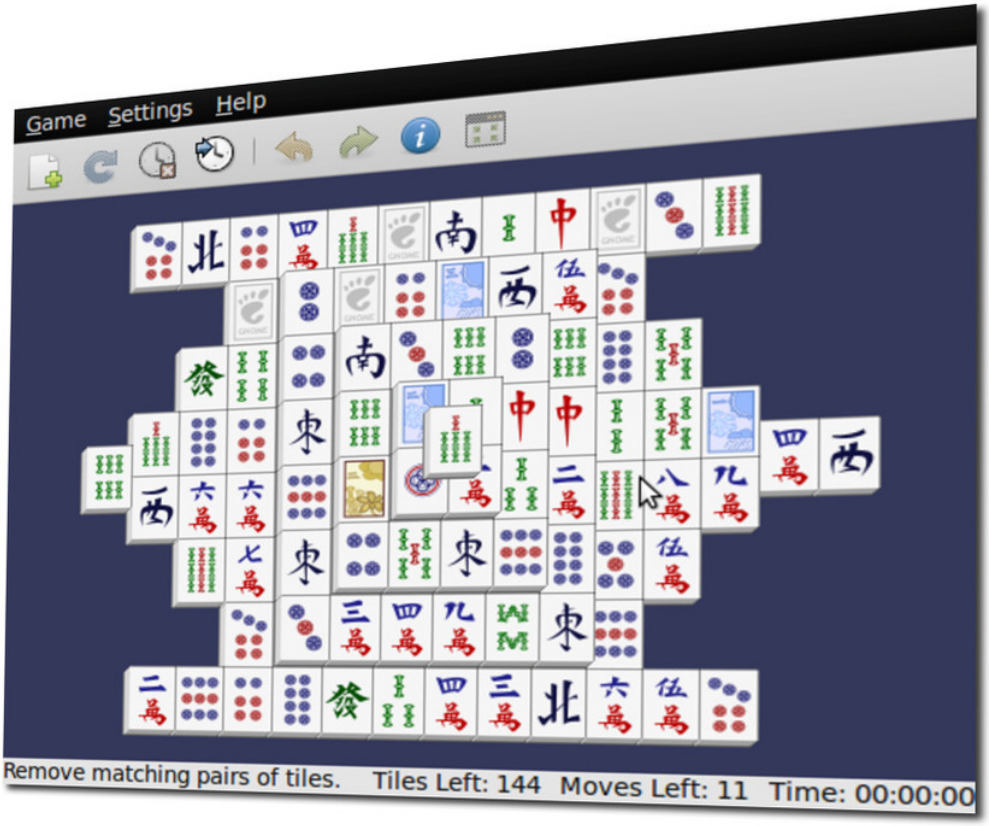
4.38 Lybniz



Lybniz is a simple desktop graph plotter. It can currently plot three functions and allows you to navigate the plot.

Category	Educational
Security Caveat	None
Installed Size	47MB
Home Footprint	Negligible

4.39 Mahjongg Solitaire



Mahjongg Solitaire is a simple pattern recognition game. You score points by matching identical tiles.

Mahjongg Solitaire is played by matching two identical tiles per turn. A tile is eligible for matching if no part of another tile is lying directly on it, and it has a free long edge on either the left or the right. You win by removing all tiles, and you are scored by the amount of time it takes you to do so. There are many different tile layouts to choose from.

To match two tiles:

- Click on the tile you want to match. If it is an eligible tile, it will be highlighted.
- Click on a matching tile. If it is a truly a matching tile, both tiles will vanish.

Category	Recreational
Security Caveat	None
Installed Size	10MB
Home Footprint	Negligible

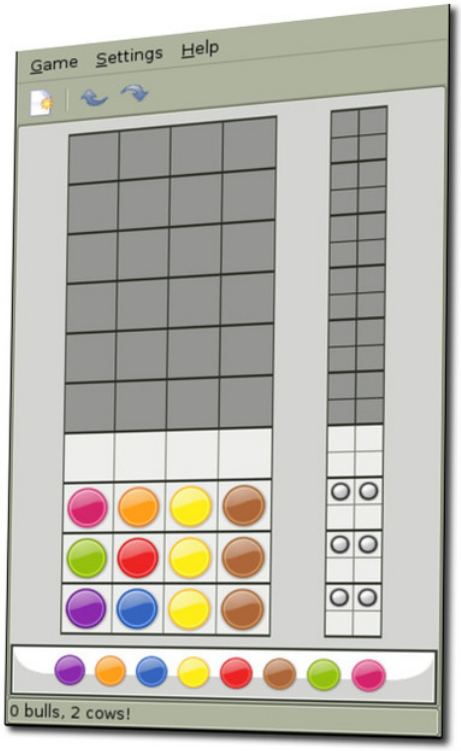
4.40 Marathon Trilogy

A security guard was accompanying a group of space colonists on their trip on the huge space ship, the Marathon. Suddenly, aliens of the Pfhor race attack the ship and massacre the colonists. What's worse, the aliens damage the omniscient super-computers on Marathon. One of them is heavily damaged, and the other becomes insane. Caught in the midst of the battle between the two AIs, trying to stay alive in the onslaught of the Pfhor, the protagonist begins a desperate fight for survival.

Marathon is a first-person shooter. There is a variety of weapons that serve the hero in battle. Different types of enemies (organic or mechanical) take different amounts of damage depending on the weapon. The protagonist is also able to fire from two weapons (such as pistols) simultaneously. Shooting enemies is not the only thing to do in the game; it is possible to communicate with the damaged AIs of the ship by looking at messages they send you via computers. The story is revealed primarily through those messages.

Category	Recreational
Security Caveat	None
Installed Size	448MB
Home Footprint	6MB

4.41 Mastermind



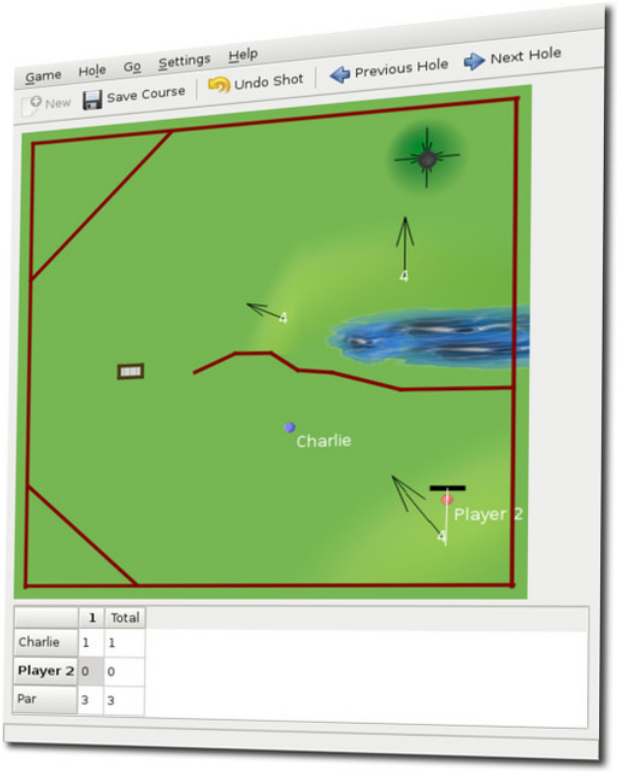
Mastermind is a game where the goal is to break a hidden color code following the hints that the game gives us.

The game is played by 2 players: the codemaker and the codebreaker. The codemaker places on its side of the board, hidden from the other, a combination of 4 colors. The codebreaker has to guess that pattern with the least number of tries.

At each turn the codebreaker tries a pattern for the codemaker who gives feedback placing a white peg for each correct colour in the wrong position and a colored peg for each correct colour in this correct position. The codebreaker tries subsequent guesses following codemaker hints.

Category	Recreational
Security Caveat	None
Installed Size	9MB
Home Footprint	Negligible

4.42 Minigolf



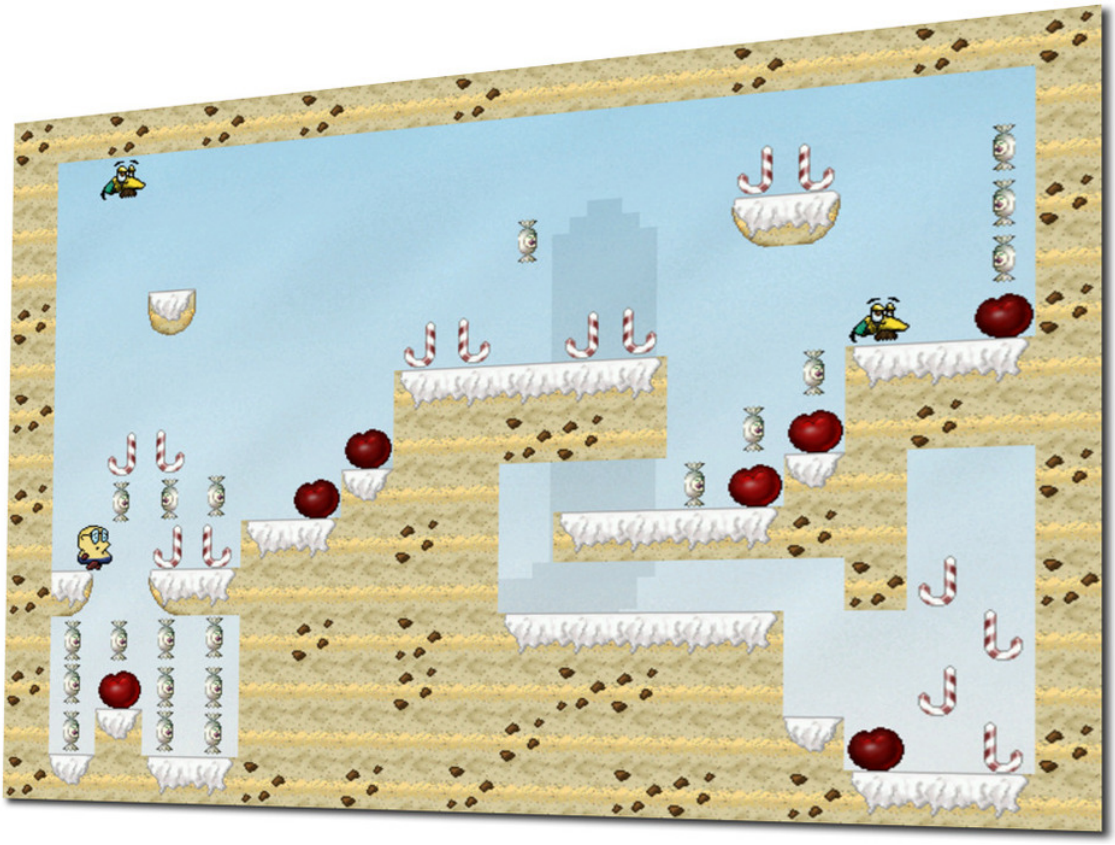
Kolf is a miniature golf game. The game is played from an overhead view, with a short bar representing the golf club. Kolf features many different types of objects, such water hazards, slopes, sand traps, and black holes (warps), among others.

Features include:

- Single and Multi-player (up to ten local players) modes
- High scores table
- Dynamic courses
- Third-party courses
- Course editor

Category	Recreational
Security Caveat	None
Installed Size	246MB
Home Footprint	1MB

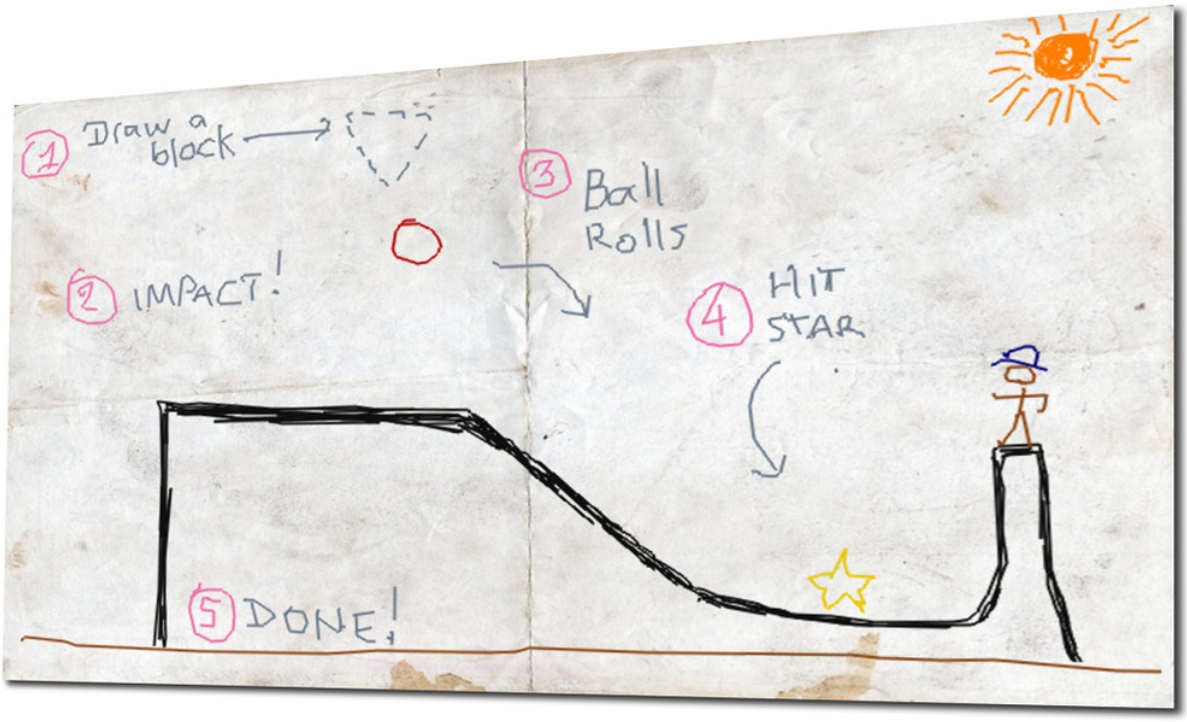
4.43 Nikwi Deluxe



Nikwi is a platform game where your goal is to collect candies. Guide Nikwi through his dream to eat everything in each of the 30 levels, while you avoid the monsters who try to turn Nikwi's dream into a nightmare. Nikwi features hours of gameplay in 30 sweet-themed levels made of five candy themes, more than 10 different monsters and obstacles, each one with it's own unique behaviour, and new gameplay elements in every theme.

Category	Recreational
Security Caveat	None
Installed Size	4MB
Home Footprint	Negligible

4.44 Numpty Physics



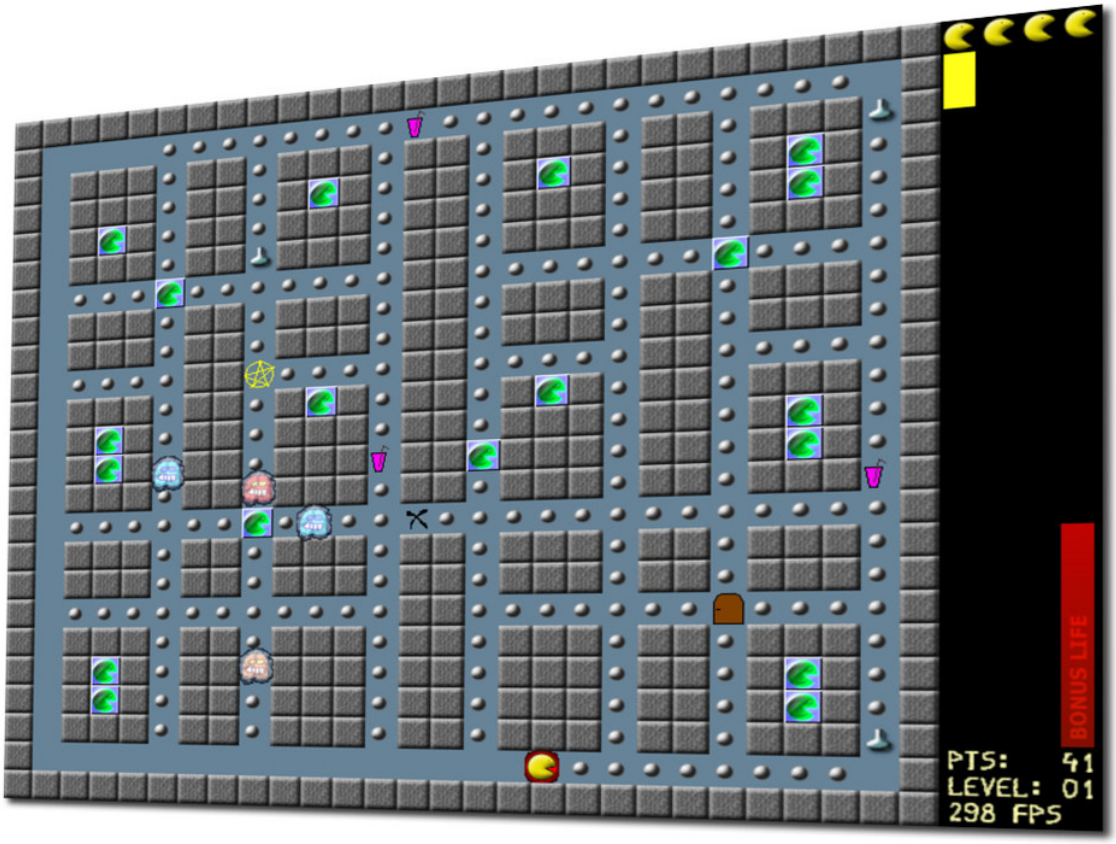
Harness gravity with your crayon and set about creating blocks, ramps, levers, pulleys and whatever else you fancy to get the little red ball to the little yellow star.

Numpty Physics is a drawing puzzle game and includes a built-in editor so you may build your own levels. The image above is an actual in-play screenshot from the game.

Each stroke is like a rigid piece of wire with a mass proportional to its length. A closed stroke is just a wire bent into a shape, it has no substance apart from its perimeter. The ends of a strokes can (and will) join onto other strokes when drawn near enough to another stroke. These joints are pivots so you can use this to build levers, pendulums and other mechanical wonders. Jointed strokes don't collide with each other. Join both ends to make a rigid structure.

Category	Recreational
Security Caveat	None
Installed Size	1MB
Home Footprint	Negligible

4.45 Pac-Man Clone



NjAM is an addictive game similar to Pacman, which includes:

- Single and multi-player mode on a single desktop
- Cooperative and competitive multi-player modes
- Customizable level skins
- Many different levels
- Integrated level editor
- Great music and sound effects

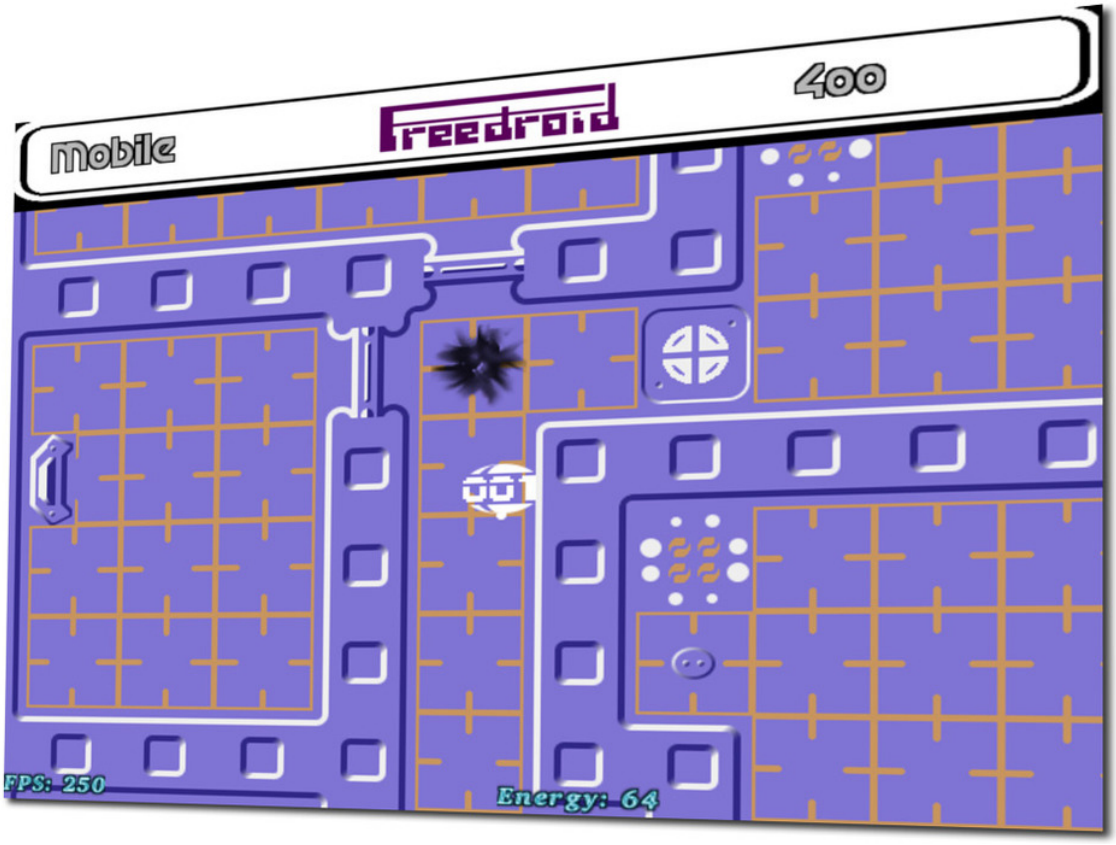
Category	Recreational
Security Caveat	None
Installed Size	4MB
Home Footprint	Negligible

4.46 Pang Clone

Ceferino is similar to Super Pang. You are attacked by little green balls which are bouncing around and which you have to destroy with your knife. Your knife however is limited to being thrown upwards, thus you have to get under the balls to destroy them. Even worse, if you destroy a large ball, it doesn't just vanish, but breaks apart into two smaller balls. Levels consist of little platforms connected by ladders, so you can go up and down or find cover if needed.

Category	Recreational
Security Caveat	None
Installed Size	3MB
Home Footprint	Negligible

4.47 Paradroid Clone



Freedroid is a strategic shoot-em up. You must clear a spaceship from all droids. To achieve this your device will need to take control of more powerful droids, more able to confront the most powerful ones. But you'll also need to manage your energy as you won't be able to control any droid for an indefinite time and even your own device has a limited lifetime.

Category	Recreational
Security Caveat	None
Installed Size	7MB
Home Footprint	Negligible

4.48 Photo Editor

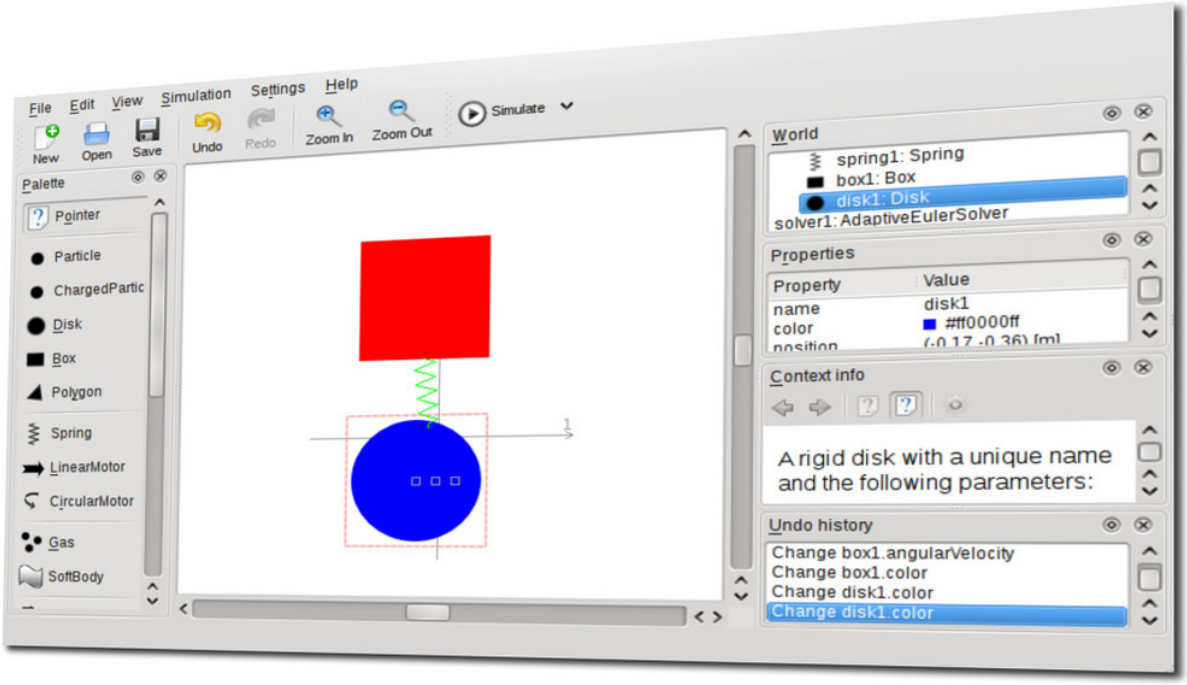
GIMP is The GNU Image Manipulation Program, for photo retouching, image composition, image authoring, etc.

It has many capabilities. It can be used as a simple paint program, an expert quality photo retouching program, an online batch processing system, a mass production image renderer, an image format converter, etc.

GIMP is expandable and extensible. It is designed to be augmented with plug-ins and extensions to do just about anything. The advanced scripting interface allows everything from the simplest task to the most complex image manipulation procedures to be easily scripted.

Category	Art, Visual Communications and Design
Security Caveat	None
Installed Size	100MB
Home Footprint	523KB

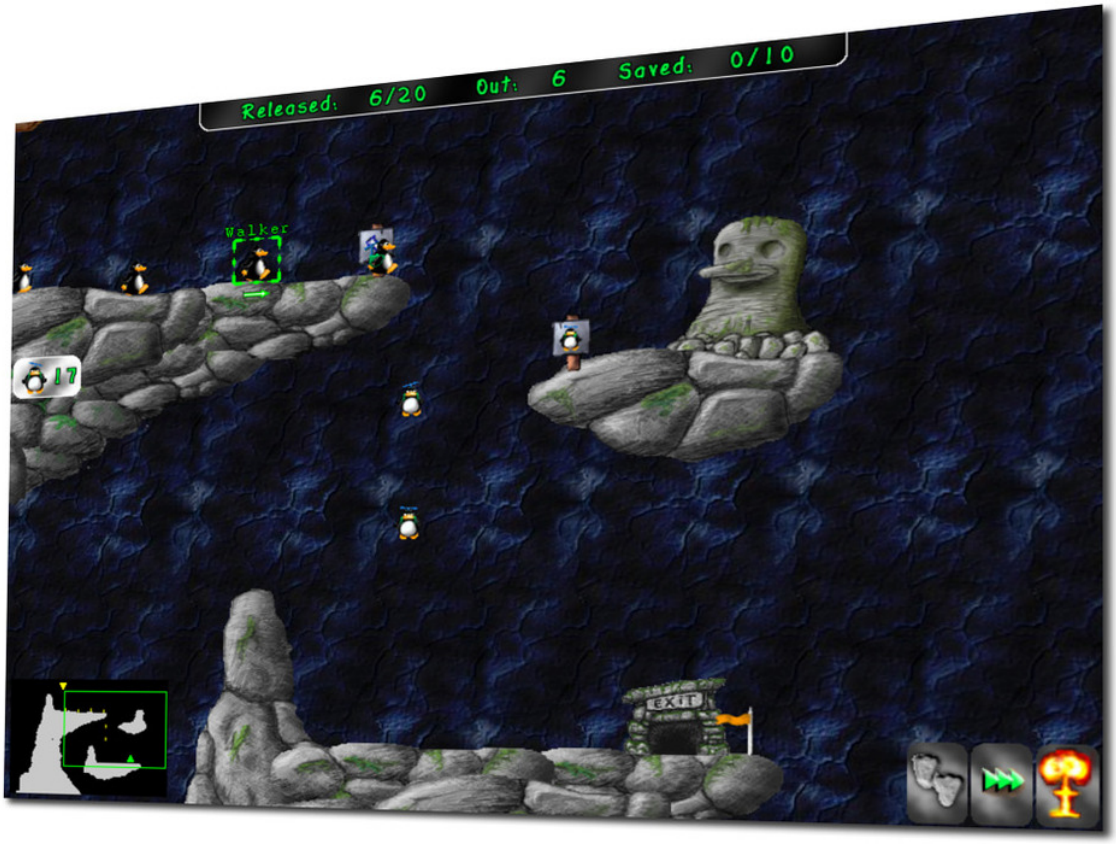
4.49 Physics Trainer



Step is an interactive physics simulator. With Step you can not only learn but feel how physics works. You place some bodies on the scene, add some forces such as gravity or springs, then click "Simulate" and Step shows you how your scene will evolve according to the laws of physics. You can change every property of bodies/forces in your experiment (even during simulation) and see how this will change evolution of the experiment.

Category	Science, Physics
Security Caveat	None
Installed Size	252MB
Home Footprint	434KB

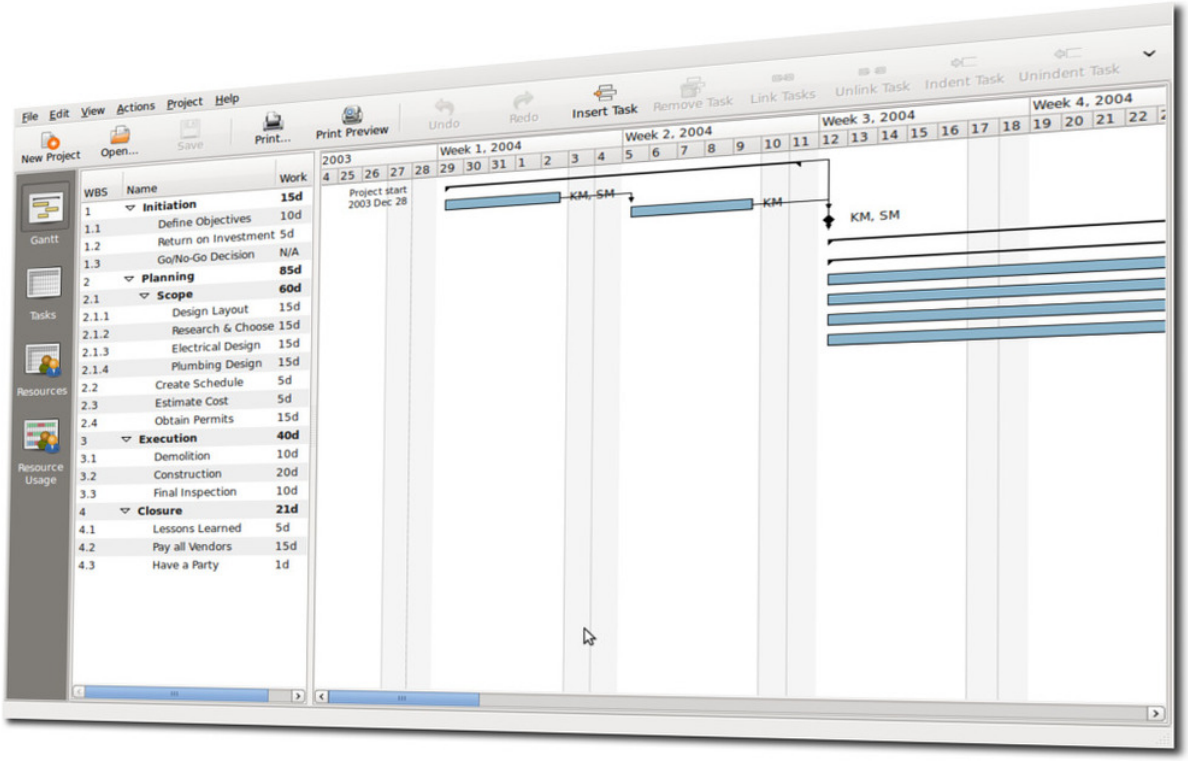
4.50 Pingus



Pingus is similar to the popular Lemmings™ game. Your goal is to guide a horde of penguins through a world full of obstacles and penguin traps to safety. Although penguins (unlike lemmings) are rather smart, they sometimes lack the necessary overview and now rely on you to save them.

Category	Recreational
Security Caveat	None
Installed Size	25MB
Home Footprint	Negligible

4.51 Planner



Planner is a project management application, similar to Microsoft® Project, that supports Gantt charts and resource allocation.

- Definition of tasks with start/end dates and durations
- Dependencies between tasks
- Sub-tasks can also be defined
- Project calendars with holidays
- Definition of resources
- Assignment of resources to tasks
- Resource specific calendars
- Project schedules stored in XML format

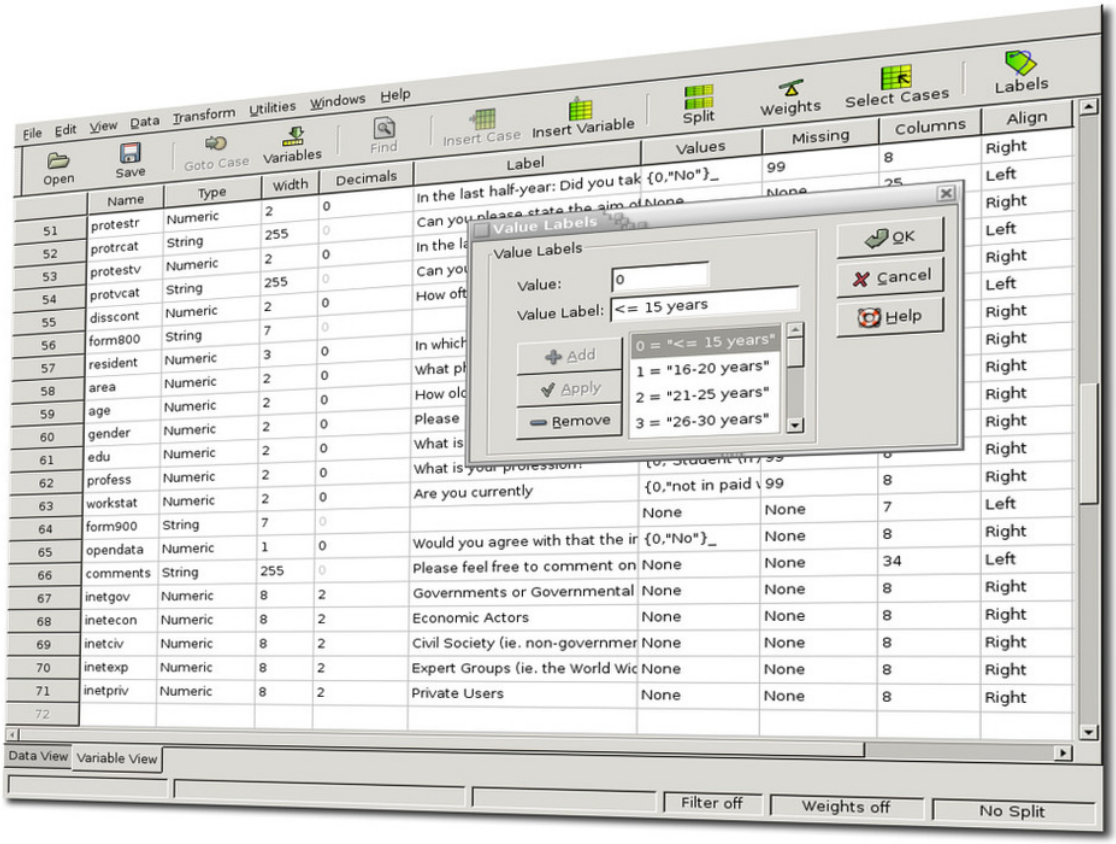
Category	Information and Communications Technology
Security Caveat	None
Installed Size	23MB
Home Footprint	161KB

4.52 Power Manga

Power Manga is a shoot 'em up with 60 different enemies, 40 meteors, numerous weapons, many end of level baddies, spaceship power-ups and lots of other surprises.

Category	Recreational
Security Caveat	None
Installed Size	21MB
Home Footprint	Negligible

4.53 PSPP



PSPP is a program for statistical analysis of sampled data. It is a replacement for SPSS. PSPP supports T-tests, ANOVA, GLM, factor analysis, non-parametric tests, and other statistical features. PSPP produces statistical reports in plain text, PDF, PostScript, CSV, HTML, SVG, and OpenDocument formats. The PSPP user interface has been translated into a number of languages.

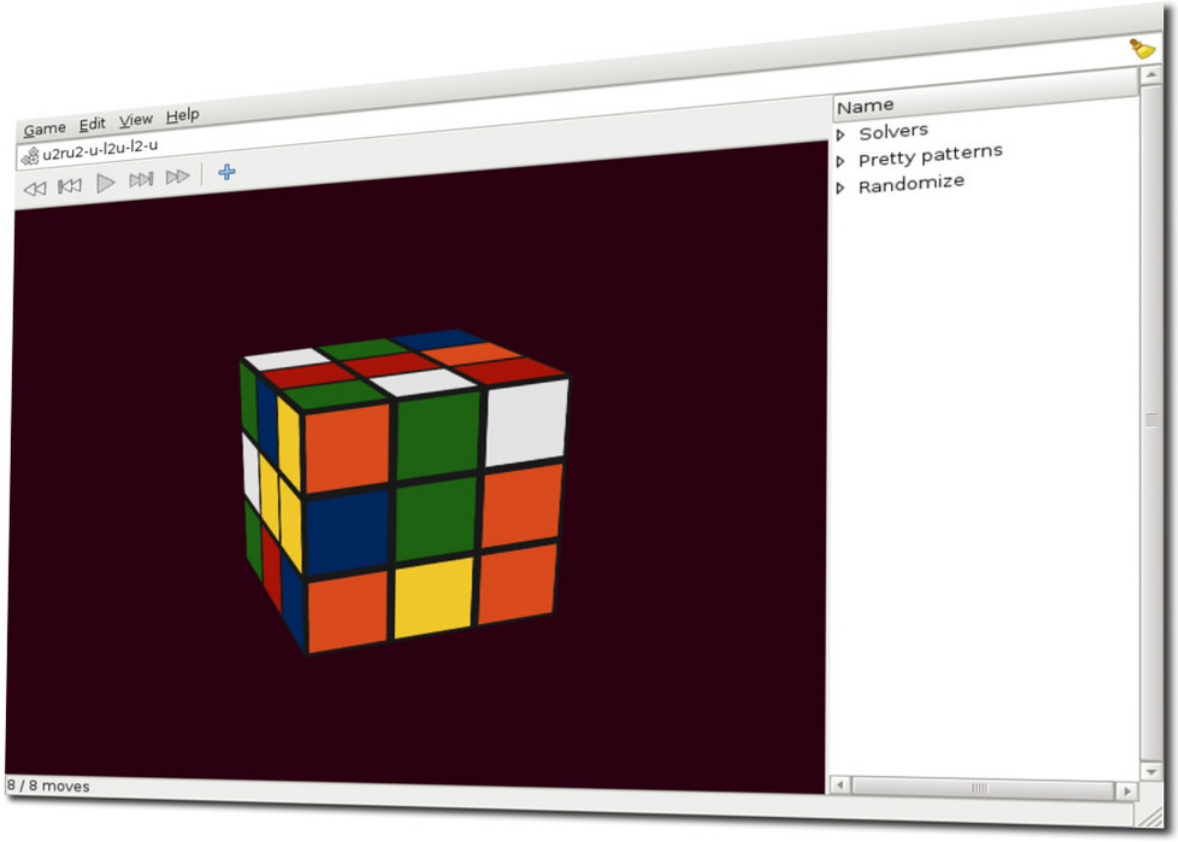
Category	Educational
Security Caveat	Contains a text editor
Installed Size	21MB
Home Footprint	Negligible

4.54 Pynagram

Pynagram is a simple word game in which the player is presented with seven letters in a random order. Every word that is "solved" from the jumbled letters earns the player points. If the player solves one or more seven letter words, the score is carried over into the next game.

Category	Recreational, Educational
Security Caveat	None
Installed Size	76MB
Home Footprint	Negligible

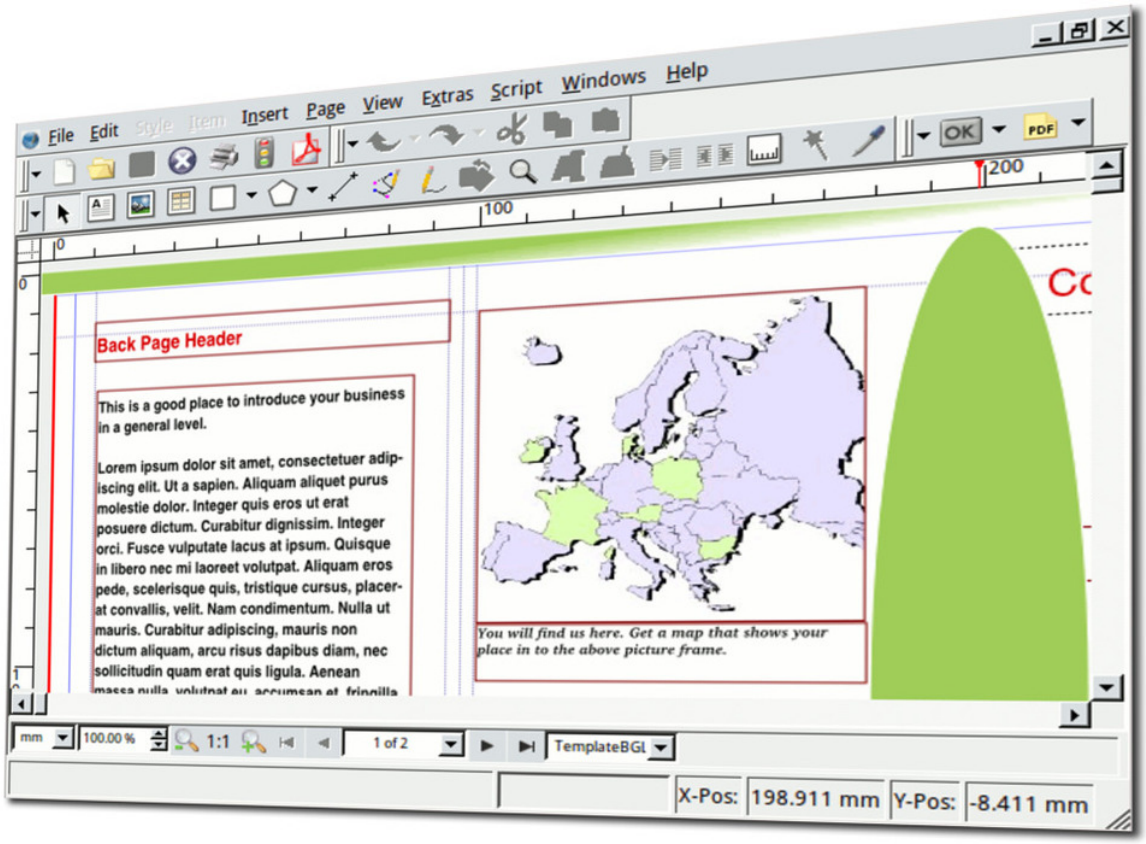
4.55 Rubik's Cube



Pybik is an interactive, graphical, single player puzzle. This program renders an image of a cube, like that invented by Erno Rubik. You have to manipulate the cube using the mouse. When each face shows only one color, the game is solved.

Category	Recreational
Security Caveat	None
Installed Size	92MB
Home Footprint	Negligible

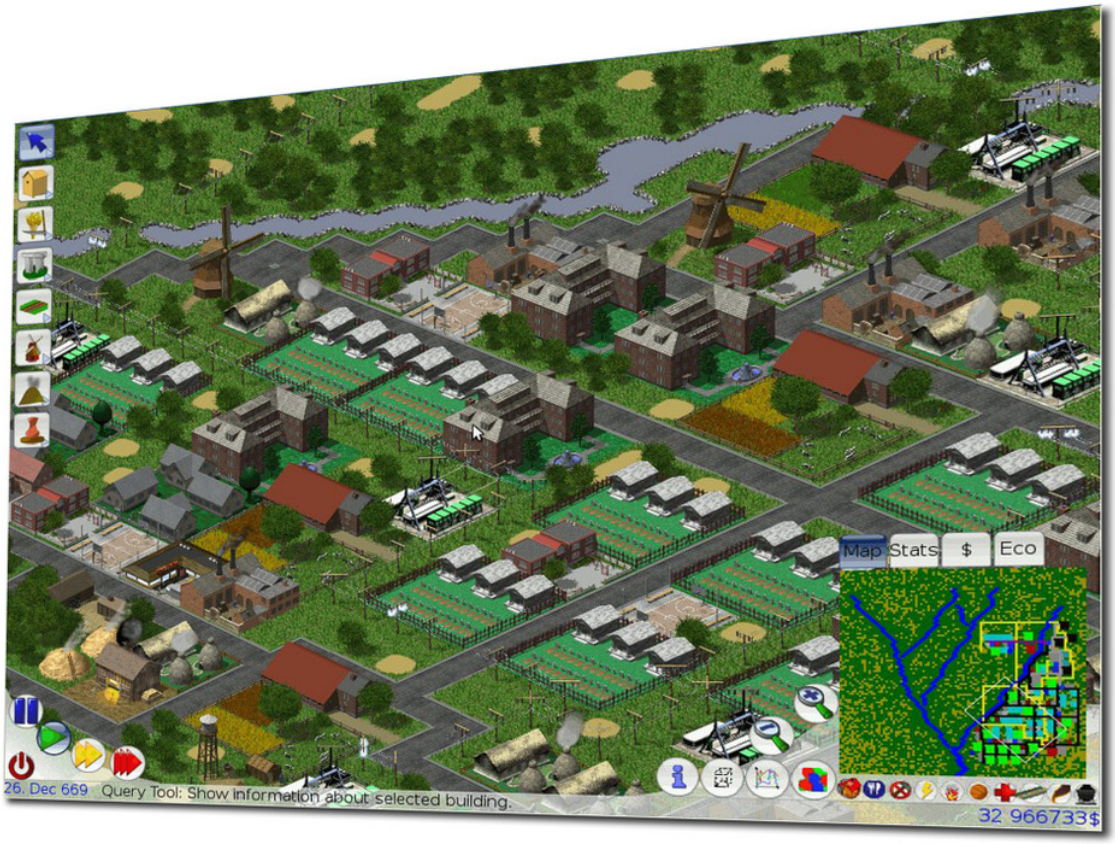
4.56 Scribus



Scribus is a desktop publishing (DTP) application that provides professional page layout software, with a combination of press-ready output and new approaches to page design. Underneath a modern and user-friendly interface, Scribus supports professional publishing features, such as color separations, CMYK and spot colors, ICC color management, and versatile PDF creation.

Category	Visual Communications and Design
Security Caveat	None
Installed Size	152MB
Home Footprint	1.6MB

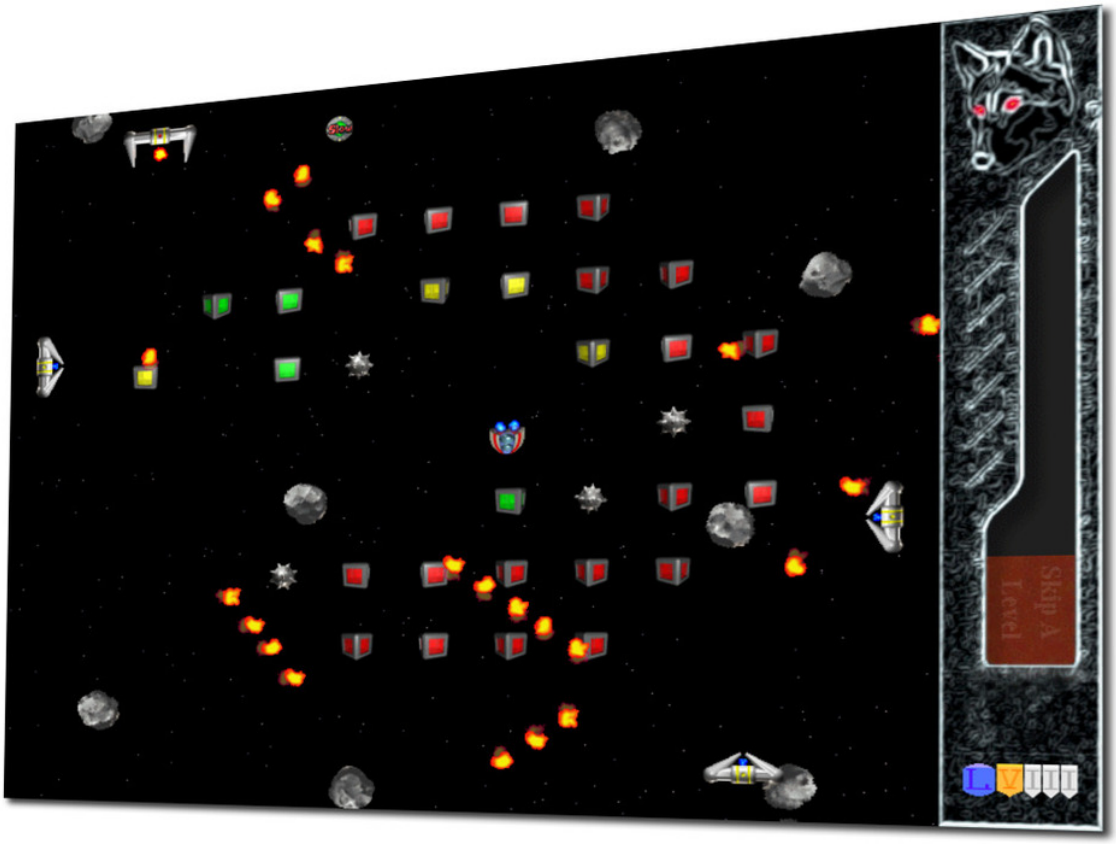
4.57 SimCity Clone



LinCity-NG is a city simulation game, similar to SimCity®. You are required to build and maintain a city. You must feed, house, provide jobs and goods for your residents. You can build a sustainable economy with the help of renewable energy and recycling, or you can go for broke and build rockets to escape from a pollution ridden and resource starved planet, it's up to you. Due to the finite resources available in any one place, this is not a game that you can leave for long periods of time.

Category	Recreational
Security Caveat	None
Installed Size	54MB
Home Footprint	83KB

4.58 Solarwolf



Solarwolf is an action/arcade game featuring amazing graphics and cool music. It is originally based on the SolarFox game on the Atari 2600.

All this, yet the best feature of all is; it's a lot of fun! The point of the game is to scramble through 48 levels of patterns, collecting all the boxes. The part that makes it tricky is avoiding the relentless hailstorm of fire coming at you from all directions.

Category	Recreational
Security Caveat	None
Installed Size	3MB
Home Footprint	Negligible

4.59 Solitaire

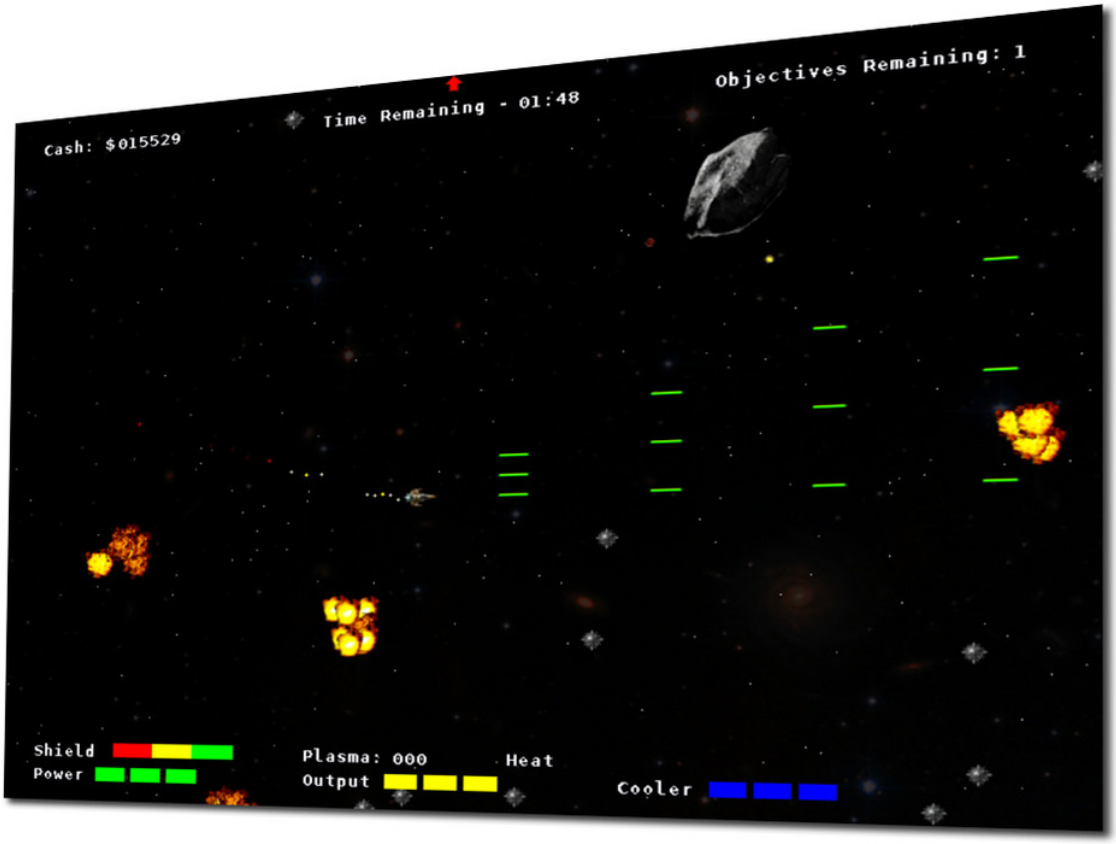
A compilation of over eighty different solitaire card games. Everything from favourites like Freecell and Klondike through to Clock Patience.

Some games have options to change the way the game is played. For example Klondike can be played with either single card deals or three-card deals. In these games there is a separate menu with the game's name. You can only change the rules of the game at the beginning of the game - the menu will be inactive during the game.

Statistics on how well you have done at a particular game are available by selecting Statistics from the Game menu. Only games where you actually start moving cards are counted. The statistics are here for your own enjoyment, there are numerous ways to cheat and it is unwise to make comparisons.

Category	Recreational
Security Caveat	None
Installed Size	34MB
Home Footprint	Negligible

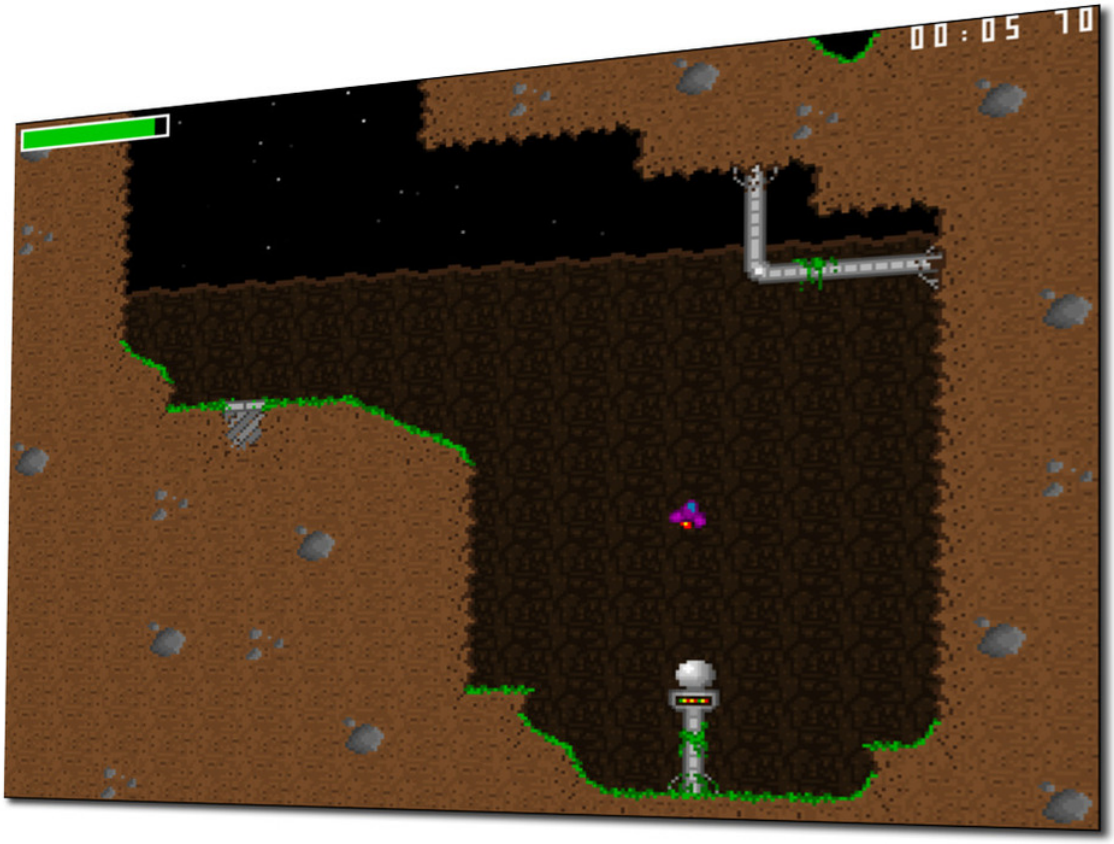
4.60 Starfighter



In the year 2579, the intergalactic weapons corporation, WEAPCO, has dominated the galaxy. Guide Chris Bainfield and his friend Sid Wilson on their quest to liberate the galaxy from the clutches of WEAPCO. Along the way, you will encounter new foes, make new allies, and assist local rebels in strikes against the evil corporation.

Category	Recreational
Security Caveat	None
Installed Size	1MB
Home Footprint	Negligible

4.61 Super Transball 2



Super Transball 2 is a game which was inspired by ZARA THRUSTA for the Amiga 500. In each level the goal is to find the SPHERE, to capture it and to carry it to the upper part of the level. The main challenge is the gravity that attracts your ship which makes it inevitable to control the ship's thrust. Many other obstacles like cannons, tanks, doors or lasers will also try to make your journey difficult and don't be wasteful with your thrusters and weapons or you will run out of fuel in no time.

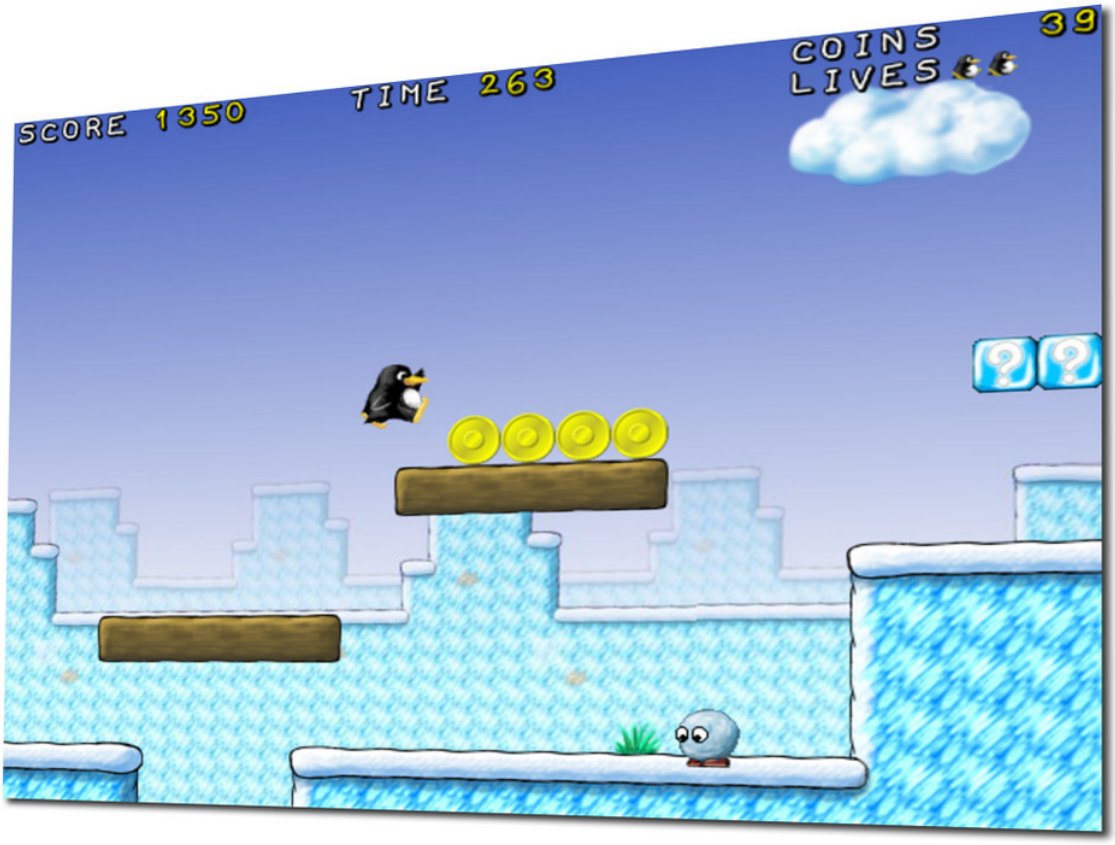
Category	Recreational
Security Caveat	None
Installed Size	2MB
Home Footprint	Negligible

4.62 SuperTuxKart

SuperTuxKart is a 3D kart racing game with a focus on having fun over realism. You can play with up to 4 friends on one PC, racing against each other or just trying to beat the computer; single-player mode is also available.

Category	Recreational
Security Caveat	None
Installed Size	315MB
Home Footprint	Negligible

4.63 SuperTux



SuperTux is a classic 2D jump'n'run game with strong inspiration from the Super Mario Bros games for the various Nintendo platforms.

Run and jump through multiple worlds, fighting off enemies by jumping on them, bumping them from below or tossing objects at them, grabbing power-ups and other stuff on the way.

Penny gets captured!

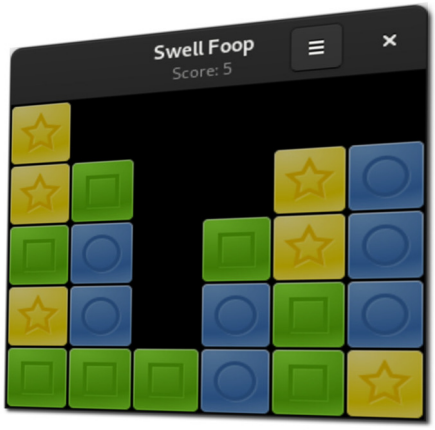
Tux and Penny were out having a nice picnic on the ice fields of Antarctica. Suddenly, a creature jumped from behind an ice bush, there was a flash, and Tux fell asleep!

When Tux wakes up, he finds that Penny is missing. Where she lay before now lies a letter. "Tux, my arch enemy!" says the letter. "I have captured your beautiful Penny and have taken her to my fortress. The path to my fortress is littered with my minions. Give up on the thought of trying to reclaim her, you haven't got a chance! -Nolok"

Tux looks and sees Nolok's fortress in the distance. Determined to save his beloved Penny, he begins his journey.

Category	Recreational
Security Caveat	None
Installed Size	134MB
Home Footprint	Negligible

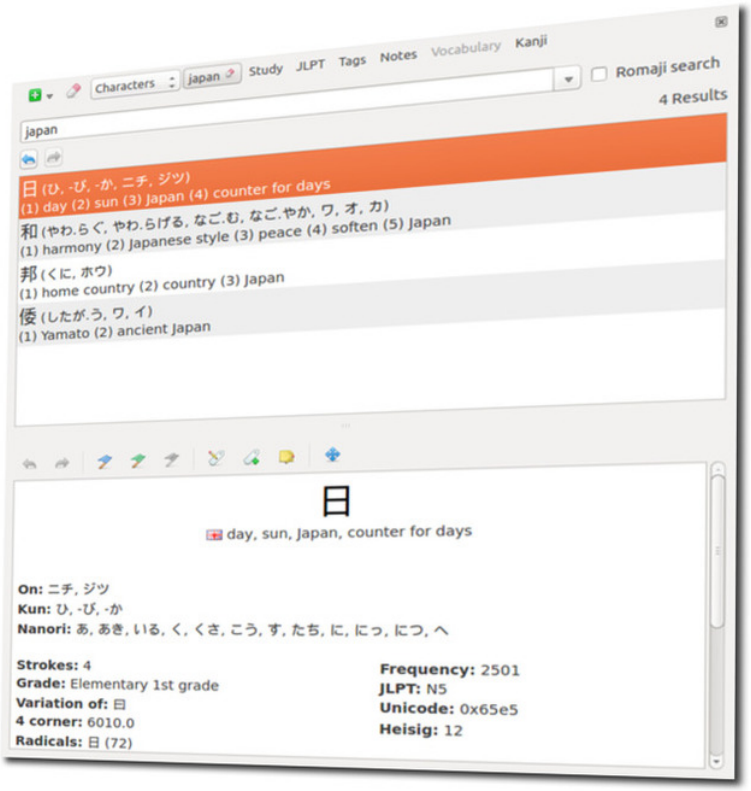
4.64 Swell-Foop



Remove blocks of balls of the same color in as few moves as possible. Try to remove all balls for a bonus.

Category	Recreational
Security Caveat	None
Installed Size	9MB
Home Footprint	Negligible

4.65 Tagaini Jisho



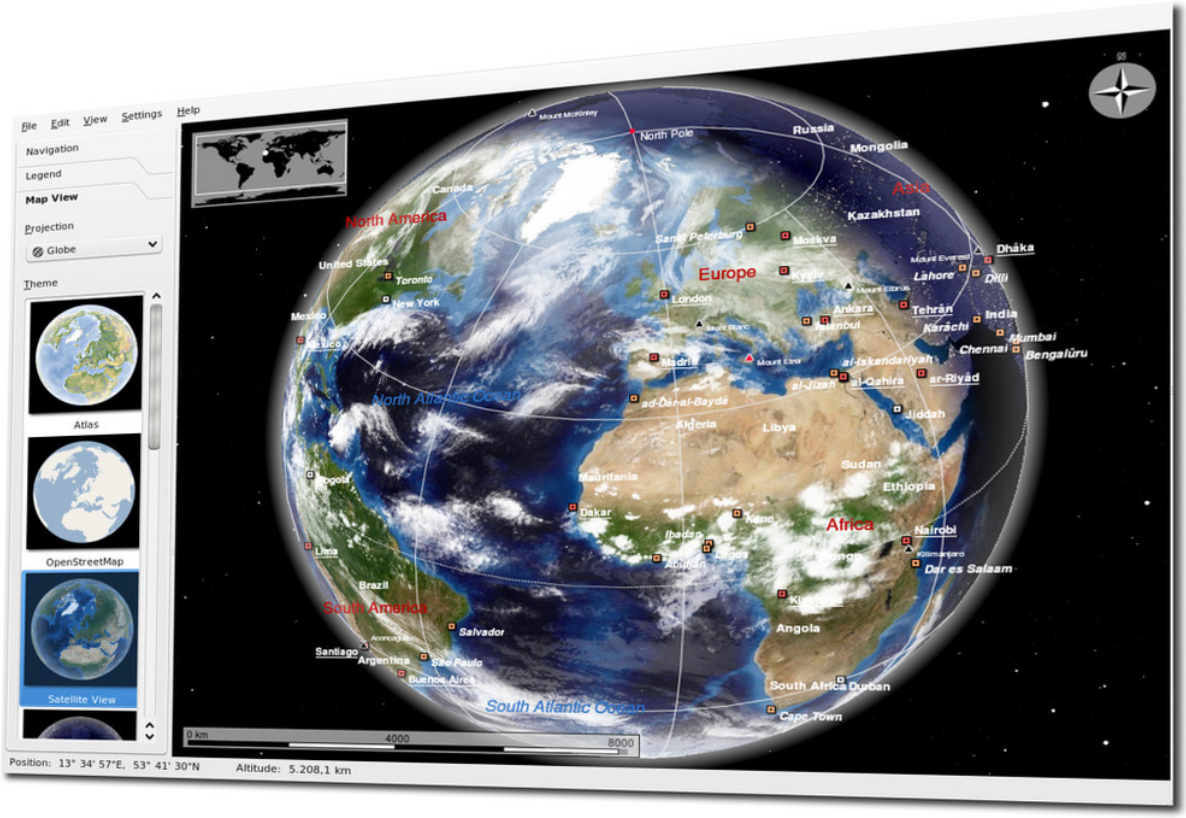
Tagaini Jisho is a Japanese dictionary and kanji lookup tool.

It aims at becoming your Japanese study assistant by allowing you to quickly search for entries and mark those that you wish to study, along with tags and personal notes. It also let you train entries you are studying and follows your progression in remembering them. Finally, it makes it easy to review entries you did not remember by listing them on screen or printing them on a small booklet.

Tagaini Jisho also features complete stroke order animations for more than 6000 kanji, flashcard-like training, production of paper material for studying, and extended search options for vocabulary and kanjis including part-of-speech and JLPT levels.

Category	Educational
Security Caveat	None
Installed Size	93MB
Home Footprint	Negligible

4.66 Terrestrial Globe

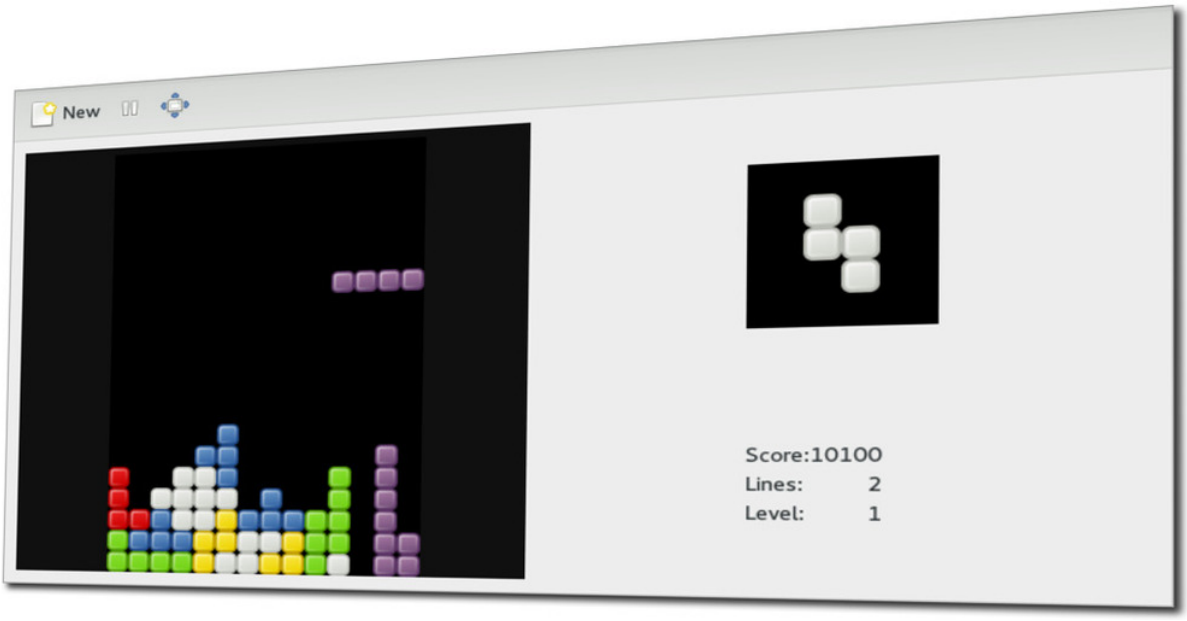


Marble is a generic geographical map application which shows the earth as a sphere. A minimal set of geographical data is included, so it can be used without an internet connection.

Explore the neighborhood with Marble's rich set of city and street level maps. Search for addresses and places of interest. Start exploring the world. View clouds and sun shadow, follow satellites and space stations and display their orbits. Travel back in time and learn about historic views of our planet using maps from past centuries. Earth is not enough? Marble also offers maps of the moon and other planets.

Category	Geography
Security Caveat	None
Installed Size	280MB
Home Footprint	5MB

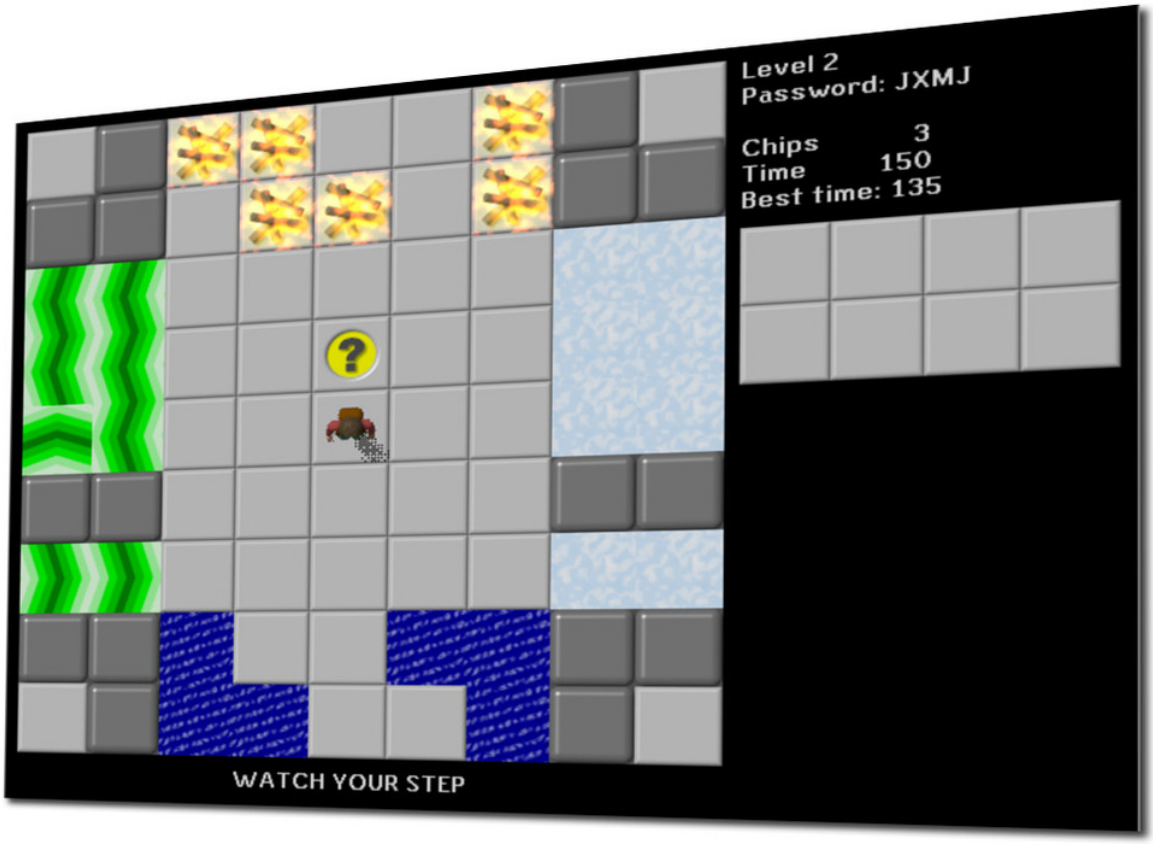
4.67 Tetris Clone



In Quadrapassel, based on Tetris, your goal is to create as many complete horizontal lines as possible. The lines are made from seven different shapes. The shapes fall randomly from the top center of the screen. Your task is to rotate and move the shapes across the screen to make complete lines. By making complete horizontal lines, you score points and move up levels. As you progress, the speed of the falling blocks increases.

Category	Recreational
Security Caveat	None
Installed Size	9MB
Home Footprint	Negligible

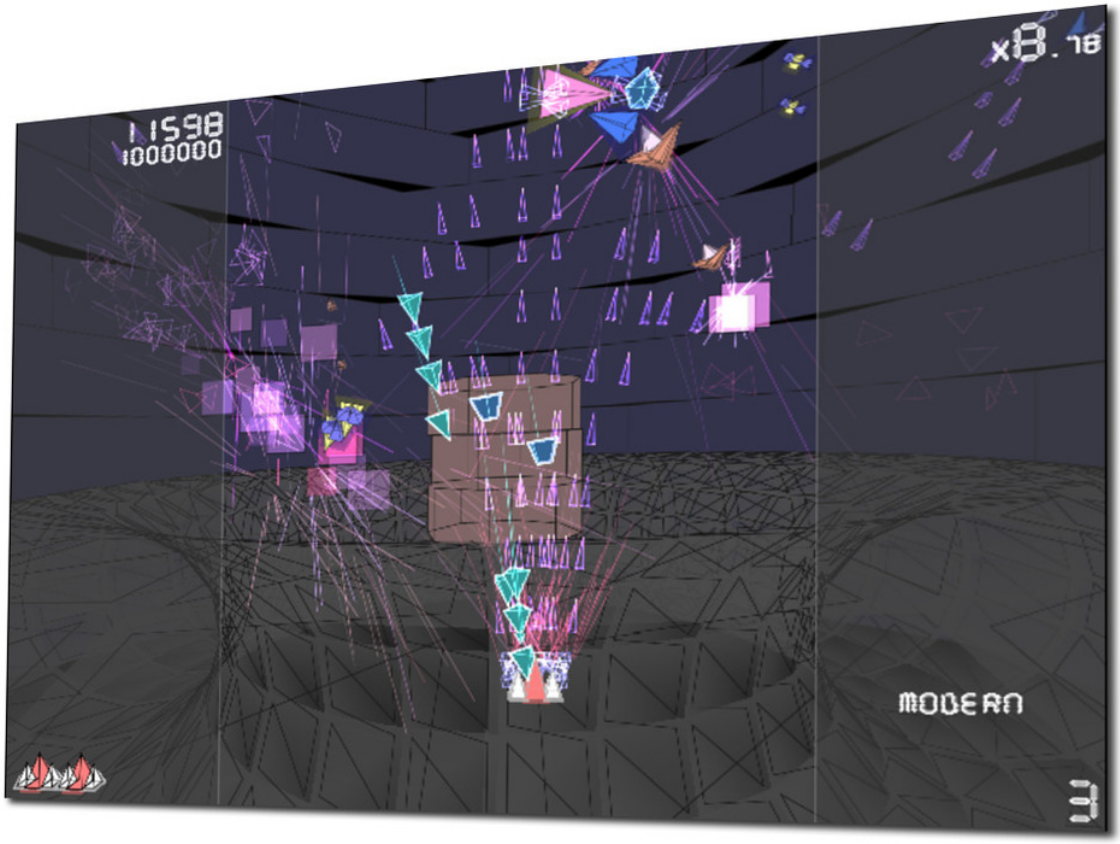
4.68 Tile World



Tile World is an emulation of the game "Chip's Challenge". The object of each level is to find and reach the exit before the time runs out. The exit is frequently (but not always) guarded by a chip socket. To move past the chip socket, Chip must collect a certain number of computer chips; the amount needed is different in each level. As you play a level, the information display on the right shows the number of chips that still need to be collected in order to open the socket. (Remember that getting enough chips to open the chip socket is only a subgoal, not the main goal. Some levels do not require any chips to be collected; some levels have no chip socket at all.)

Category	Recreational
Security Caveat	None
Installed Size	7MB
Home Footprint	Negligible

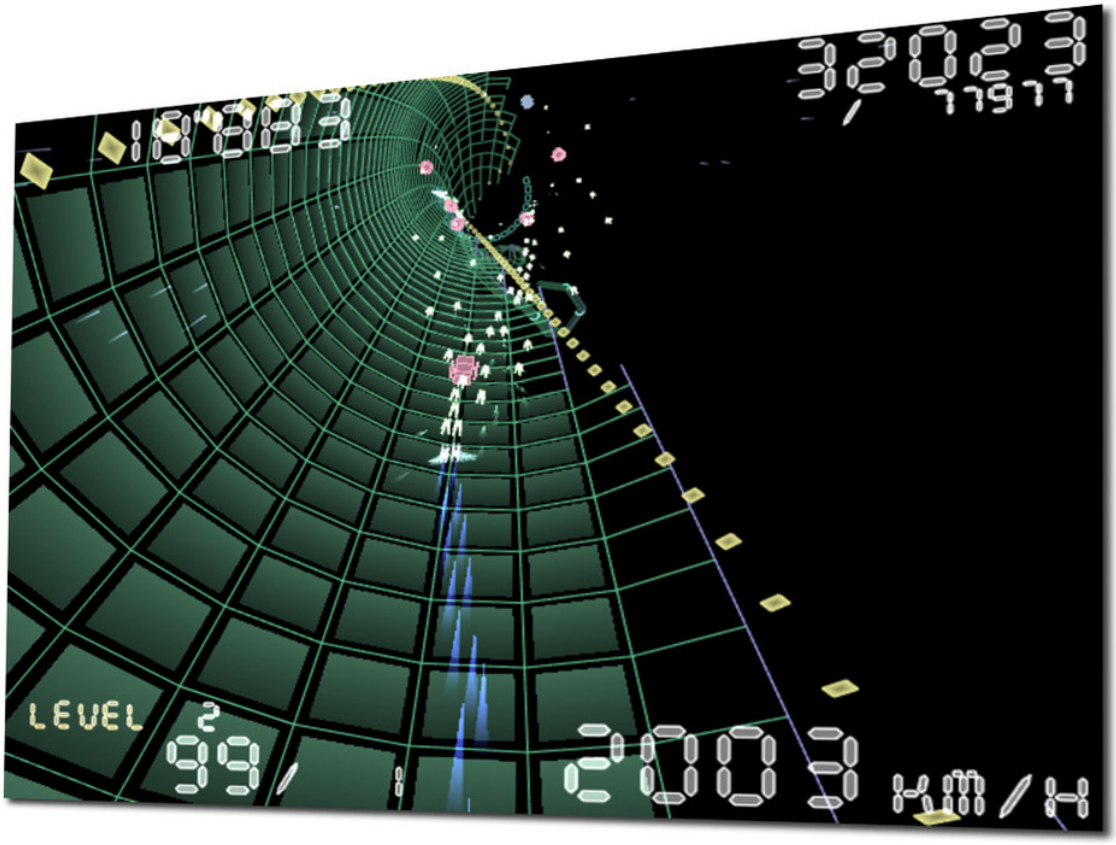
4.69 Titanion



Titanion resembles a 3D version of Galaga and the goal is similar but in Titanion the player has the tractor beam. This allows the player to capture up to 10 enemy fighters to use against the other foes. There are three modes: modern, basic, and classic; the modes roughly correspond to difficulty levels (easy to hard). Upon completing a wave a layer is added to the tower behind the game-play which indicates what level the player is on. The difficulty increases exponentially until the player is out of lives.

Category	Recreational
Security Caveat	None
Installed Size	7MB
Home Footprint	Negligible

4.70 Torus-Trooper



Torus Trooper is a fast-paced abstract scrolling shooter game. It features 3D graphics and a style similar to that of games such as Tempest.

Category	Recreational
Security Caveat	None
Installed Size	8MB
Home Footprint	Negligible

4.71 TuxMath

TuxMath is where mathematics meets the arcade.

In this shooting game, asteroids threaten friendly penguin Tux. His ammunition? Mental arithmetic! The flying moon-rocks are actually space division, multiplication and subtraction, and by finding the answer, you destroy them, and saving the penguin igloos from the devastating impact.

TuxMath appropriate for students from elementary to high school. It offers dozens of missions that require calculations that get more and more complicated, ending up with some really tricky stuff, like the division of negative numbers.

TuxMath also offers a second, more advanced mode, where the asteroids are fractions you destroy by finding their common denominator.

TuxMath is fun and well-designed and bridges the gap between educational and fun. Who said that fractions have to be boring?!

Category	Mathematics (Years 1 through 10)
Security Caveat	None
Installed Size	18MB
Home Footprint	140KB

4.72 Tyrian

Tyrian is an arcade-style vertical scrolling shooter.

The player controls a space ship fitted with different weapons (front and back, linked to the same button, and up to two external pods with their own buttons) and other equipment. The game presents a variety of enemies (some flying, some fixed, some on rails) and bosses, with many occurrences of fixed and/or indestructible obstacles. Before the player's starship is destroyed it must take enough damage to exhaust several points of shields (which regenerate over time) and armor.

Tyrian's full game mode features a credit and equipment-buying system, and the shield/armor hit points which are similar to game mechanics in Raptor: Call of the Shadows, another PC game from the same period. The arcade mode has characteristics from coin-op arcade shooters, such as in-game powerups and extra lives.

Category	Recreational
Security Caveat	None
Installed Size	12MB
Home Footprint	Negligible

4.73 WarMUX

WarMUX is a free game in the genre of “turn-based artillery games” like Scorched Earth or Worms.

It includes lots of weapons (Dynamite, Baseball Bat, Teleportation, etc) and maps available for your battling pleasure! WarMUX takes the genre to the next level, with great customisation options leading to great gameplay. There is a wide selection of teams, from the Aliens to the Chickens.

Each player (2 minimum, on the same desktop) controls the team of their choice and must destroy his adversaries using more or less casual weapons.

Although a minimum of strategy is required to be victorious, Warmux is pre-eminently a game where, turn by turn, each team attempts to produce maximum damage to their opponents.

Category	Recreational
Security Caveat	None
Installed Size	123MB
Home Footprint	101KB

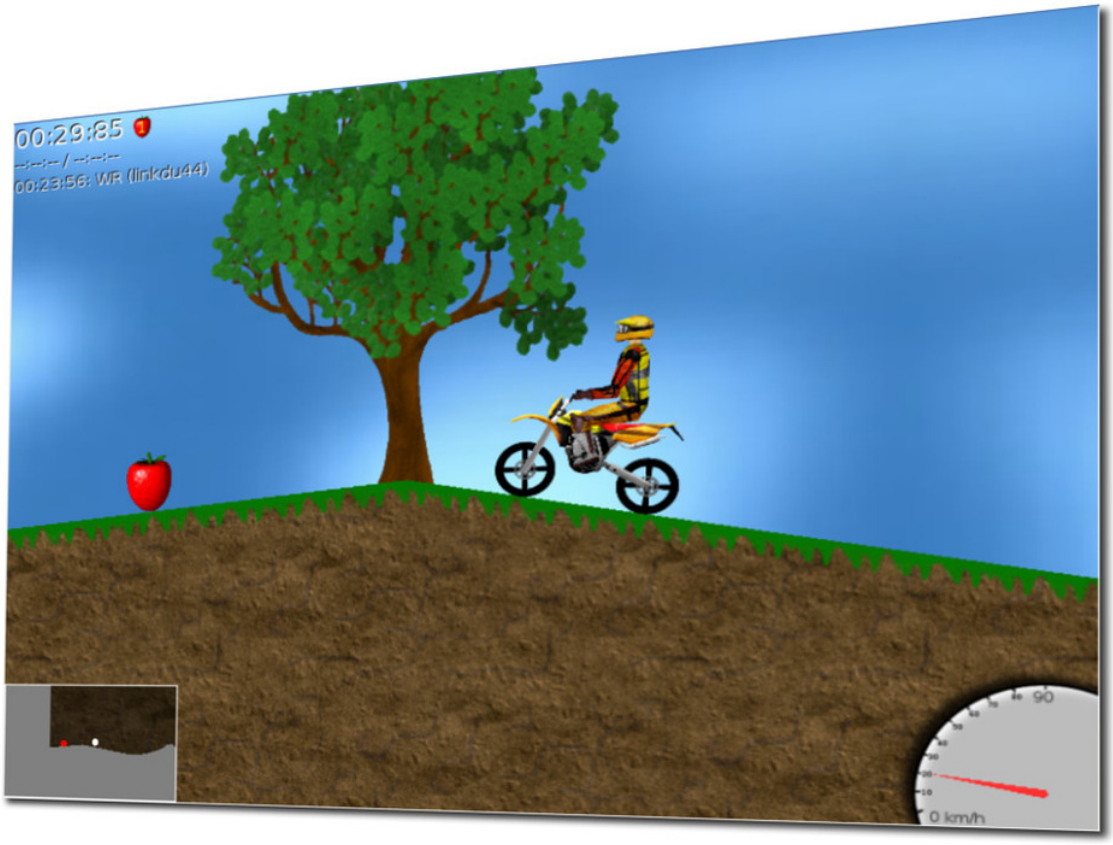
4.74 Warzone 2100

In Warzone 2100, you command the forces of The Project in a battle to rebuild the world after mankind has almost been destroyed by nuclear missiles.

The game offers campaign and single-player skirmish modes. An extensive tech tree with over 400 different technologies, combined with the unit design system, allows for a wide variety of possible units and tactics.

Category	Recreational
Security Caveat	Provides a sandboxed (no I/O functionality) scripting language
Installed Size	94MB
Home Footprint	2MB

4.75 X-Moto



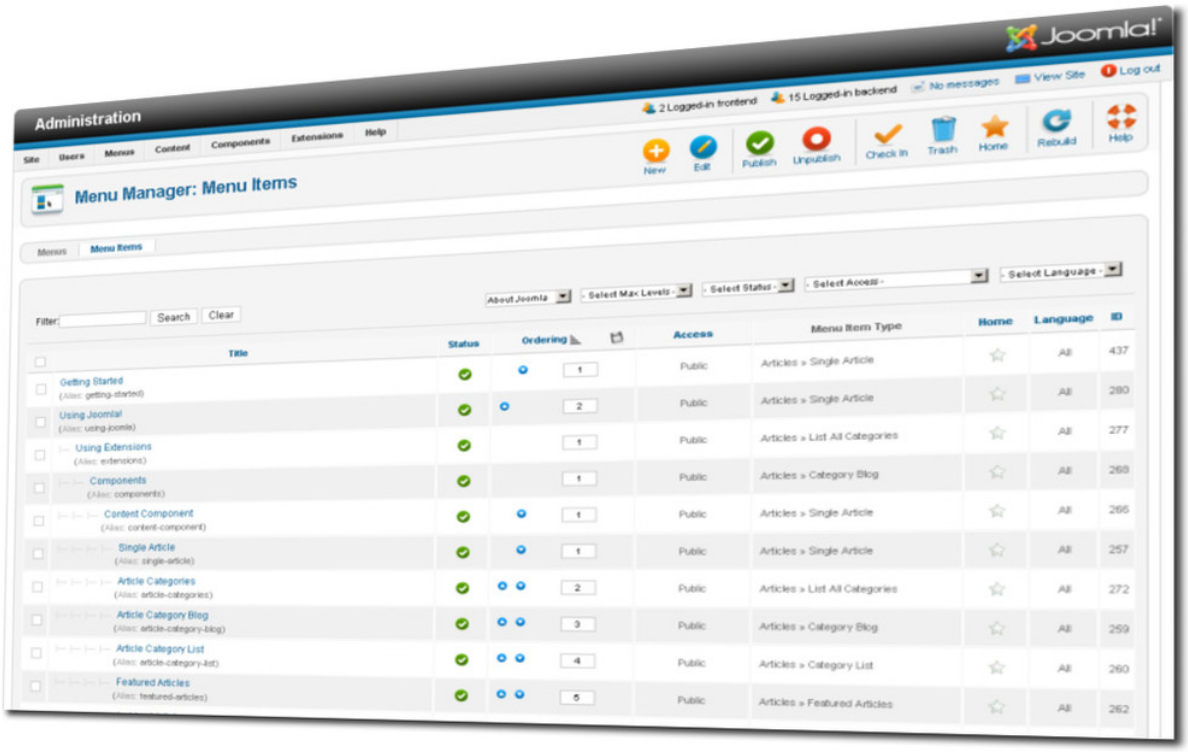
X-Moto is a challenging 2D motocross platform game, where physics play an all important role in the game-play. You need to control your bike to its limit if you want to have a chance finishing the more difficult of the challenges.

Category	Recreational
Security Caveat	None
Installed Size	73MB
Home Footprint	11MB

5 Hosted Intranet Applications

Intranet applications are hosted on an application server on the isolated staff network and access is managed by the secure web filtering in PrisonPC. This allows staff to restrict access to services per pre-defined groups of inmates. Intranet applications can include a broad array of both line-of-business tools (such as Learning & Information Management Systems) as well as browser-based entertainment and education suites. If your facility has a specific kind of line-of-business application which is not met by the following, please ask us to recommend options.

5.1 Joomla!

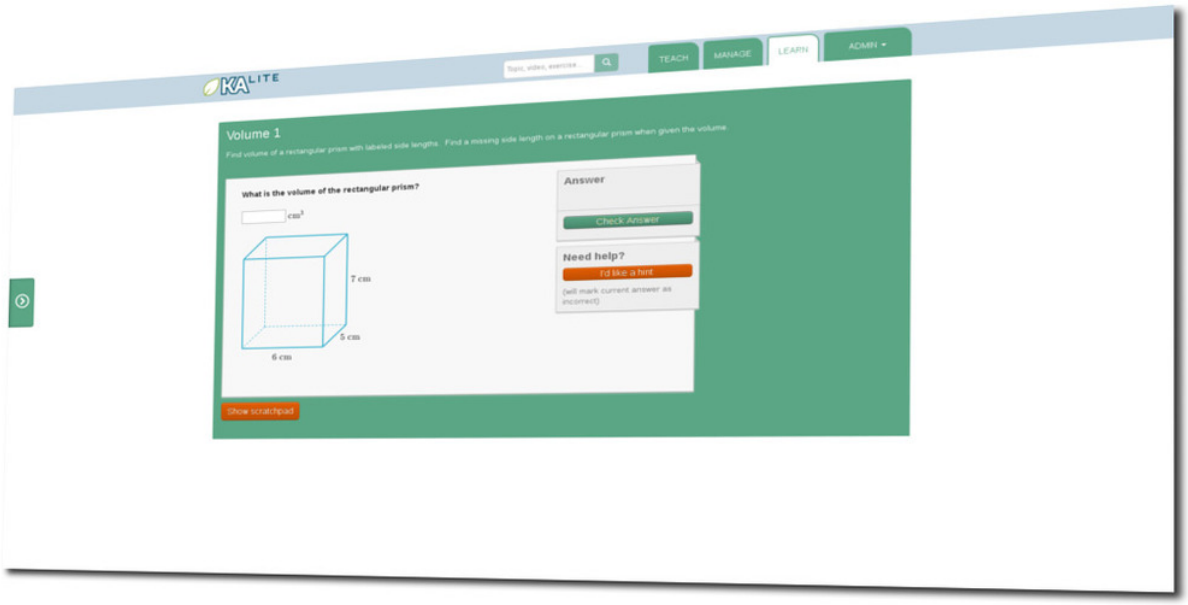


Joomla! is an award-winning content management system (CMS) which enables you to build Web sites and powerful online applications. Many aspects, including its ease-of-use and extensibility, have made Joomla! the most popular Web site software available.

A content management system is software that keeps track of every piece of content on your Web site, much like your local public library keeps track of books and stores them. Content can be simple text, photos, music, video, documents, or just about anything you can think of. A major advantage of using a CMS is that it requires almost no technical skill or knowledge to manage. Since the CMS manages all your content, you don't have to.

Category	Utility
Security Caveat	None
Installed Size	n/a
Home Footprint	n/a

5.2 Khan Academy Lite



KA Lite mimics the online experience of Khan Academy for off-line or self-managed situations. Running KA Lite as a local server, students can watch Khan Academy videos, do Khan exercises, and educators can track student progress.

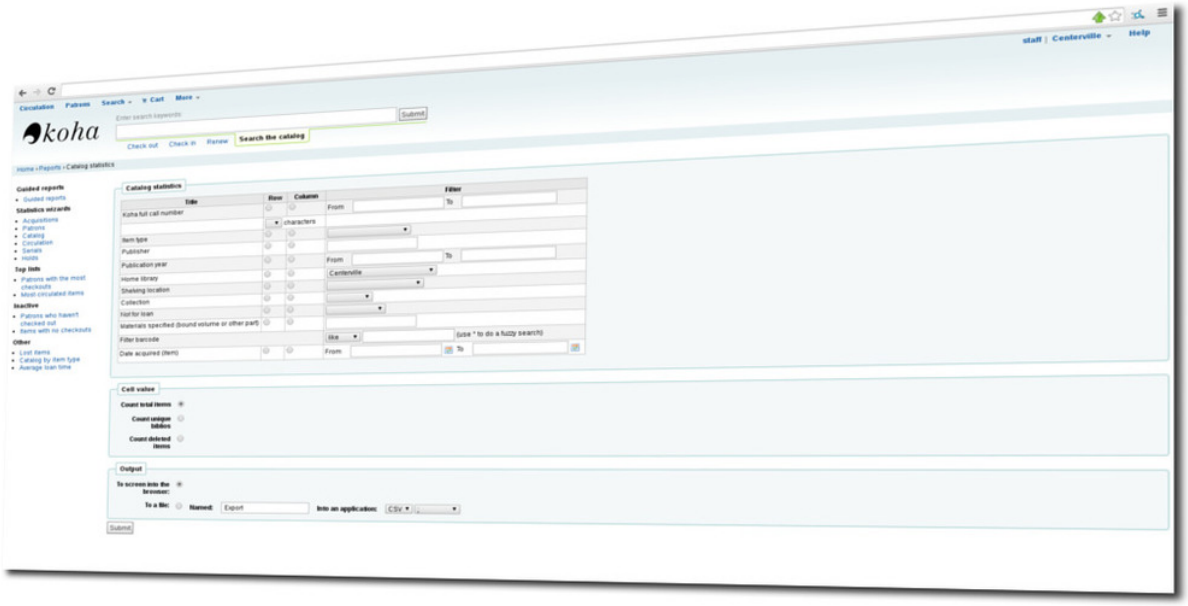
Over 7,000 Videos and 20,000 Interactive Exercises

KA Lite offers instructional videos from Khan Academy on math, science, history, economics and matches the common core standards.

KA Lite provides a diverse collection of math exercises for students that generates immediate feedback, provides step-by-step solutions, and works through a point system to encourage continued practice of material.

Category	Educational
Security Caveat	None
Installed Size	n/a
Home Footprint	n/a

5.3 Koha



Koha[15] is a full-featured Integrated Library System, or ILS for short. In use worldwide in libraries of all sizes, Koha is a true enterprise-class ILS with comprehensive functionality including basic and advanced options. Koha includes modules for acquisitions, circulation, cataloging, serials management, authorities, flexible reporting, label printing, multi-format notices, offline circulation for when Internet access is not available, and much more.

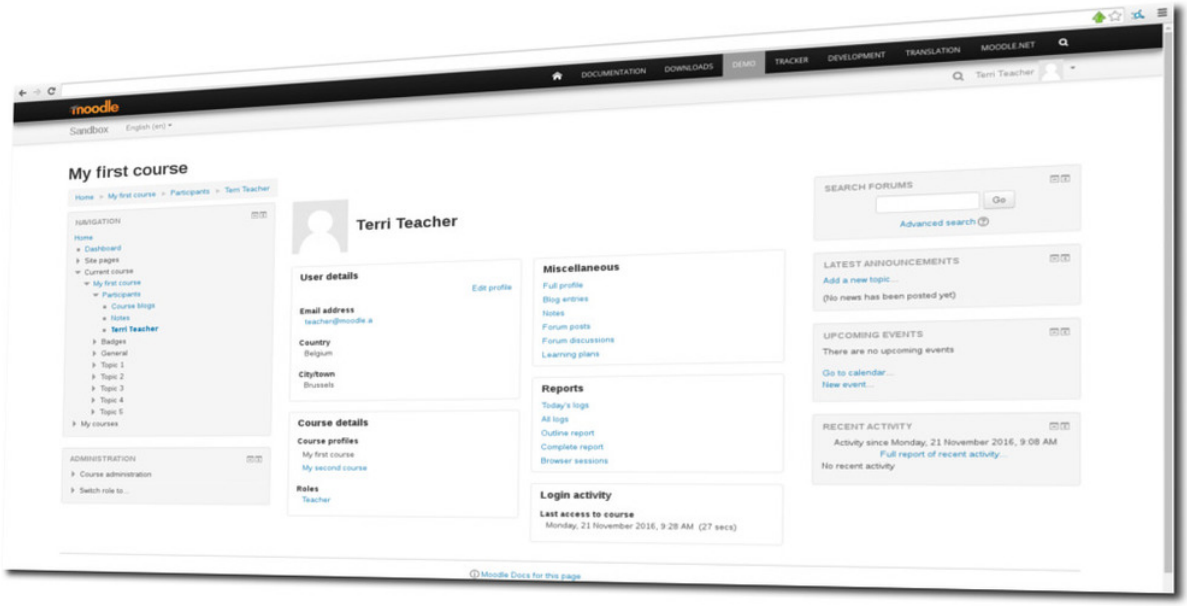
Multilingual and translatable. Koha has a large number of available languages. Full text searching Powerful searching, and an enhanced catalogue display.

Koha is built using library standards and protocols such as MARC 21, UNIMARC, z39.50, SRU/SW, SIP2, SIP/NCIP, ensuring interoperability between Koha and other systems and technologies, while supporting existing workflows and tools.

Category	Educational
Security Caveat	None
Installed Size	n/a
Home Footprint	n/a

[15] http://www.koha.org/

5.4 Moodle



Powering tens of thousands of learning environments globally, Moodle[16] is a Learning Management System trusted by institutions and organisations large and small, including Shell, London School of Economics, State University of New York, Microsoft, and the Open University. Moodle's worldwide numbers of more than 90 million users across both academic and enterprise level usage makes it the world's most widely used learning platform.

Category	Educational
Security Caveat	None
Installed Size	n/a
Home Footprint	n/a

[16] https://www.moodle.org/