

گروه کاربران لینوکس مشهد

برنامه نویسی در لینوکس

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مشهد - پائیز ۸۷ <http://mashhadlug.org>

چه زبانی؟

- اکثر زبانهای برنامه‌سازی حتی C#
- از این نظر می‌توان بحث را دو شاخه کرد:
 - برنامه‌نویسی با زبانهای قابل کامپایل (برنامه‌نویسی)
 - برنامه‌نویسی با استفاده از زبانهای اسکریپتی (اسکریپت‌نویسی)

اسکرپت چیست؟

- برنامه‌ایست که برای اجرا به برنامه‌ی دیگری محتاج است.
- در زمان اجرا به زبان ماشین ترجمه می‌گردد.
- در زمان اجرا می‌توان آنرا تغییر داد.
- روی سیستم‌های مختلف به راحتی قابل اجرا است.

```
> print "Hello world!"
```

اسکریپت

■ زبانهای اسکریپت نویسی پر کاربرد تر:

- JavaScript
- PHP
- Perl
- Python
- Ruby
- ASP

کاربرد اسکریپت‌ها

- Job control languages and shells (SHELL)
- Application-specific languages (Emacs LISP)
- Web browsers (Mozilla XUL)
- Web servers (PHP, ASP)
- General-purpose dynamic languages (Perl, Python, Ruby)

برنامه نویسی در لینوکس

- (1) برنامه با واسط خط فرمان
- (2) برنامه با واسط گرافیکی

برنامه با واسط گرافیکی

- توی ویندوز: استفاده از کتابخانه‌های ارائه شده توسط مایکروسافت مثل MFC برای C++
- توی لینوکس: استفاده از یکی از کتابخانه‌های گرافیکی یا widget toolkit های موجود

کتابخانه‌های گرافیکی

- اکثر کتابخانه‌های موجود و پر کاربرد برای زبانهای مختلف binding هایی دارند.
- و Cross Platform هستند.

چند کتابخانه‌ی پرکاربرد

- Qt
- GTK+
- wxWidgets

Qt

- Qt is a cross-platform **application development framework**, widely used for the development of GUI programs.



- Developed by Trolltech

Features

- Use of native UI-rendering APIs
- Qt Designer
- Qt Assistant
- Meta Object Compiler
 - The signal/slot system
 - type introspection
 - asynchronous function calls

Qt

- Main Language: C++
- Bindings:
 - C# (Qyoto/Kimono)
 - Java (Qt Jambi)
 - Pascal
 - Perl
 - PHP (PHP-Qt)
 - Ruby (RubyQt)
 - Python (PyQt)

License

- GNU GPL ver.2
- GNU GPL ver.3
- Proprietary

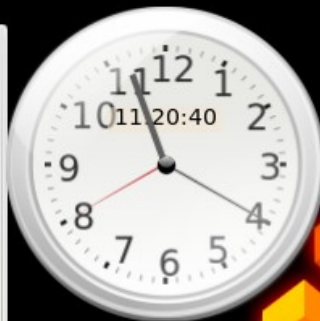
K Desktop Environment

KDEtwitter

mtux

mtux 2 hours ago from [KDE Twitter](#)
بیدار گشتیم، بریم سراغ پرزنت ساختن

mtux 12 hours ago from [TwitterFox](#)
سوال این توییتر رو باید عوض کنن،
بزارن چیکار کردی؟ دی، آخه من
همیشه به کاری می‌خوام بکنم، بعدش
(:)) به کار دیگه مینشه
[TwitterFox](#)
کآفیسسی که نصبدم ران نمی‌شه، (:
تازه فهمیدم بابا برای هاردی نیست (:
خوب دیگه، زندگی سخنه
mtux 13 hours ago from [TwitterFox](#)
اوه اوه اوه، باید برای جشن نصب
پس فردا اسلاید بسازم: | می‌ریم سراغ
اون...
mtux 13 hours ago from [TwitterFox](#)
Web ادامه میدیم مطالعه پیرامون
را XML-RPC ها و بالاخص Service



AXEL GUI DM : C , GTK+
Blogger: C++ , Qt4 or KDE4
MDic: C++ , Qt4
OpenOffice.org: ext.
Combine KDE4 cal. with
KOrganizer: C++ , KDE4

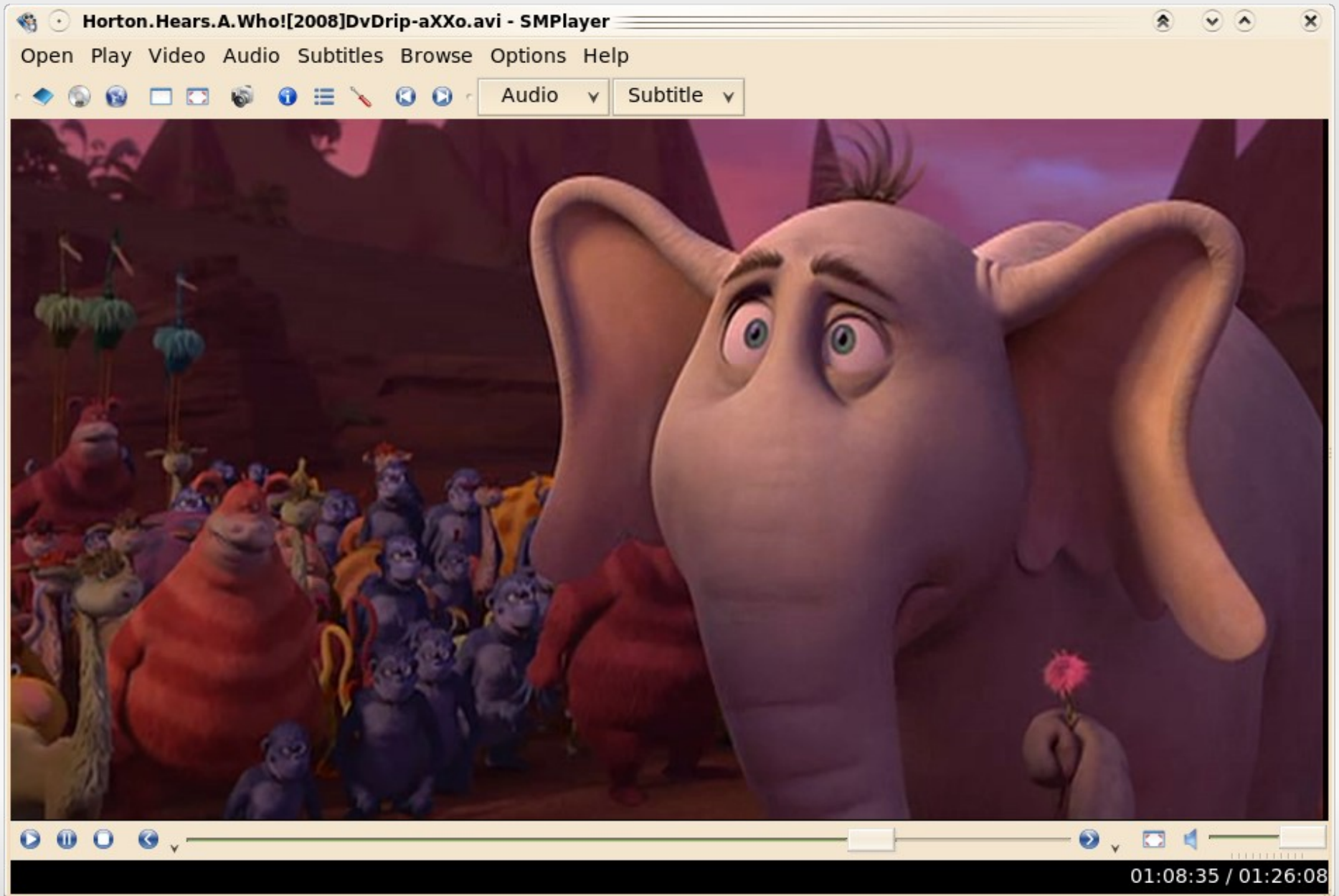
```
iconv -f WINDOWS-1256 -t  
utf-8 your_file.srt >  
output_file.srt
```

InstallFest Presents!!!



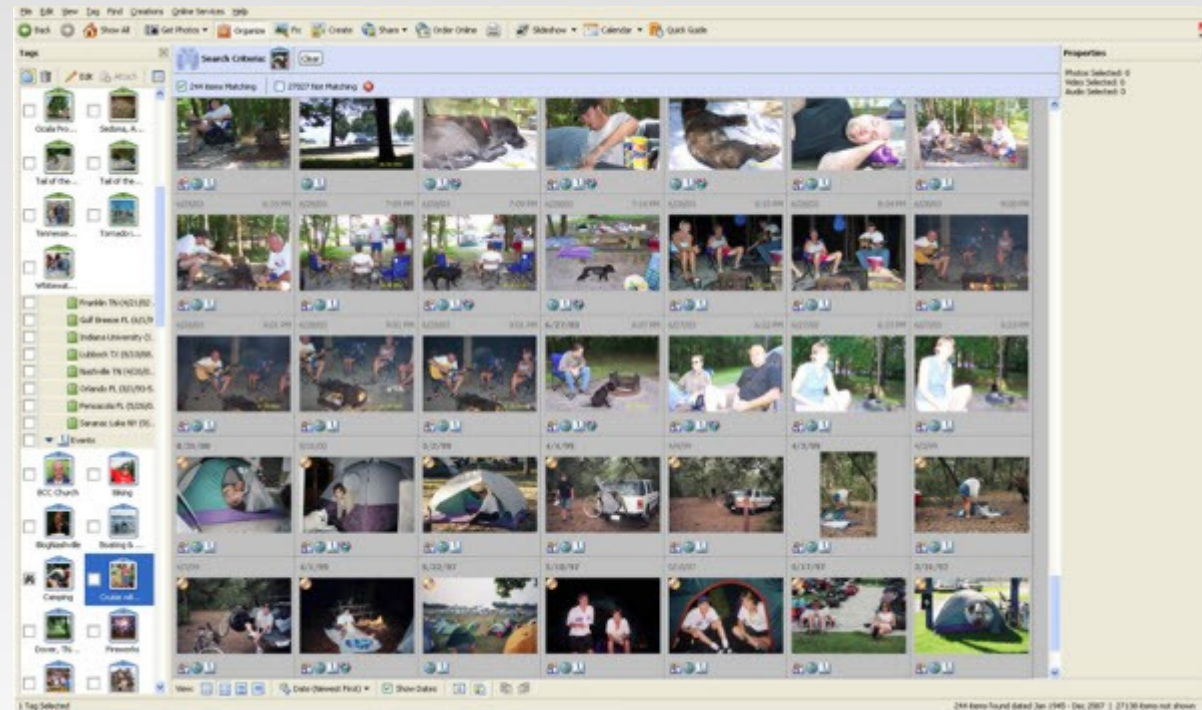
Trash
Empty

SMPlayer



Google Earth

Adobe Photoshop Album



MDic Dictionary

The screenshot shows the MDic Dictionary application window. At the top, the title bar reads "MDic". Below the title bar is a search input field containing the word "freedom". To the right of the input field are two buttons: a play button and a speaker icon. The main content area is divided into three sections, each with a green header:

- Babylon English-English**
freedom:
n. emancipation; liberty; independence; exemption; release; openness; honorary citizenship; free access
- Babylon English-French**
freedom:
n. liberté, indépendance, délivrance, affranchissement; franchise; citoyenneté d'honneur, accès gratuit, entrée libre
- انگلیسی به فارسی**
freedom:
آزادی، استقلال، معافیت، آسانی، روانی.

At the bottom of the main content area, the word "Advanced" is displayed in green. The interface includes a vertical scrollbar on the left side and a small icon in the bottom right corner.

GTK+

- GTK+, or The GIMP Toolkit, is a cross-platform widget toolkit for creating graphical user interfaces. It is one of the most popular toolkits for the X Window System, along with Qt.
- Developed by GNOME Foundation

GTK+

- Main Language: C
- Bindings:
 - C++ (gtkmm)
 - Perl (Gtk2-perl)
 - Ruby (ruby-gtk2)
 - Python (PyGTK)
 - Java (java-gnome) (not available for Microsoft Windows)
 - C# (Gtk#)
 - PHP (PHP-GTK)

License

- GNU LGPL

Gnome Desktop Environment



Butterfly

Search Link Text Tools Delete

Butterfly

Kingdom: Animalia
Phylum: Arthropoda
Class: Insecta
Order: Lepidoptera
(unranked) R...

- Superfamily
 - [Hedyli](#)
- Superfamily
 - [Hesper](#)
- Superfamily
 - [Papilion](#)
 - [Pieridae](#)

Hedyliidae


Search Link Text Tools Delete

Skippers differ in several important ways from the remaining butterflies, which are classified in the superfamily [Papilionoidea](#) and the neotropical superfamily Hedyloidea. Collectively, these three groups of butterflies share several characteristics especially in the egg, larval and pupal stage (Ackery et al. 1999). However, skippers have the antennae clubs hooked backward like a crochet, whilst butterflies have club-like tips to their antennae and hedyliids have feathered or pectinate antennae giving them an even more "moth"-like appearance than skippers. Skippers also have generally stockier bodies than the other two groups, with stronger wing muscles. Hesperioidea is very likely the sister group of [Papilionoidea](#), and together with Hedyloidea constitute a natural group or clade.

0724-094430.jpg

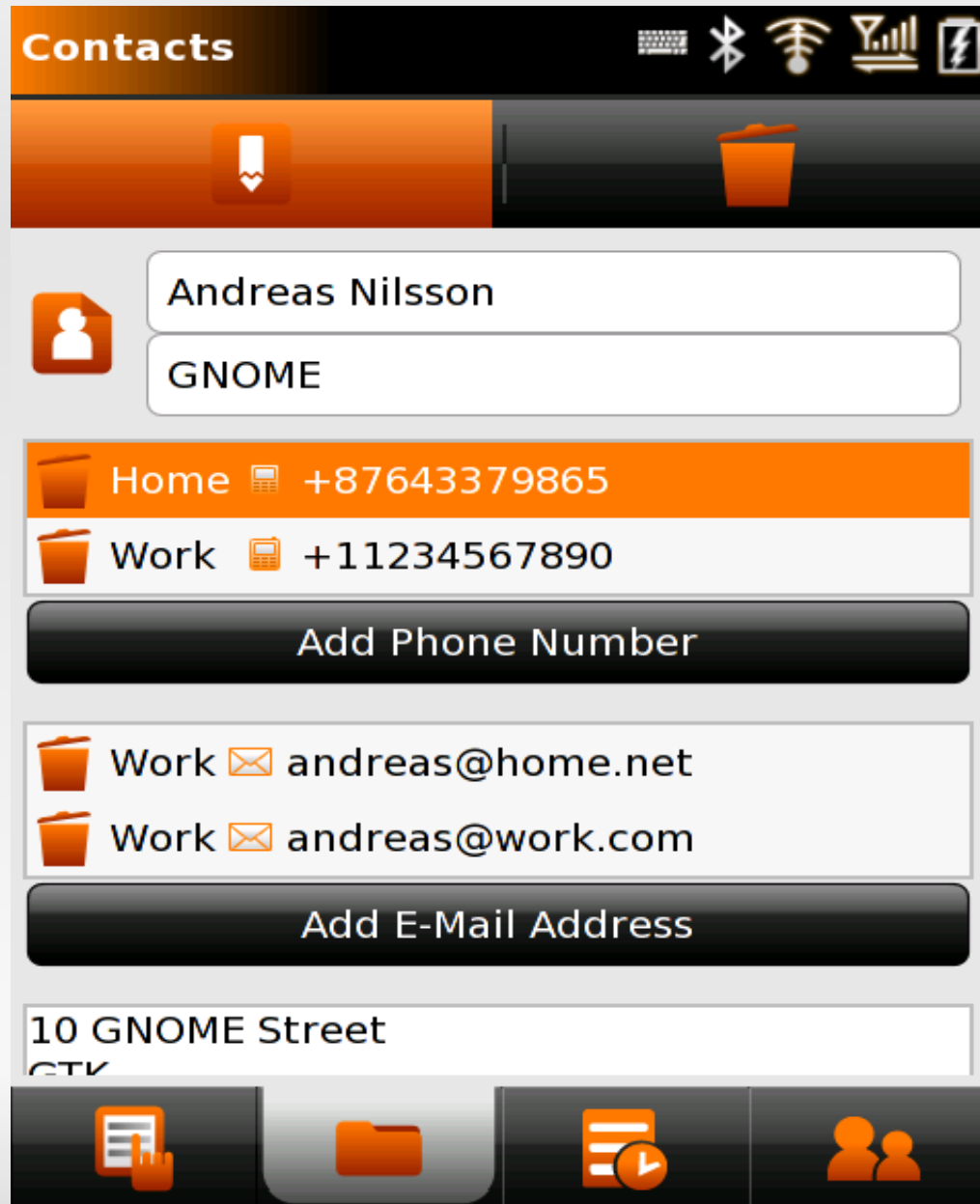
File Edit View Image Go Help

Previous Next In Out Normal Fit



720 x 480 pixels 68.9 KB 61% 3 / 37

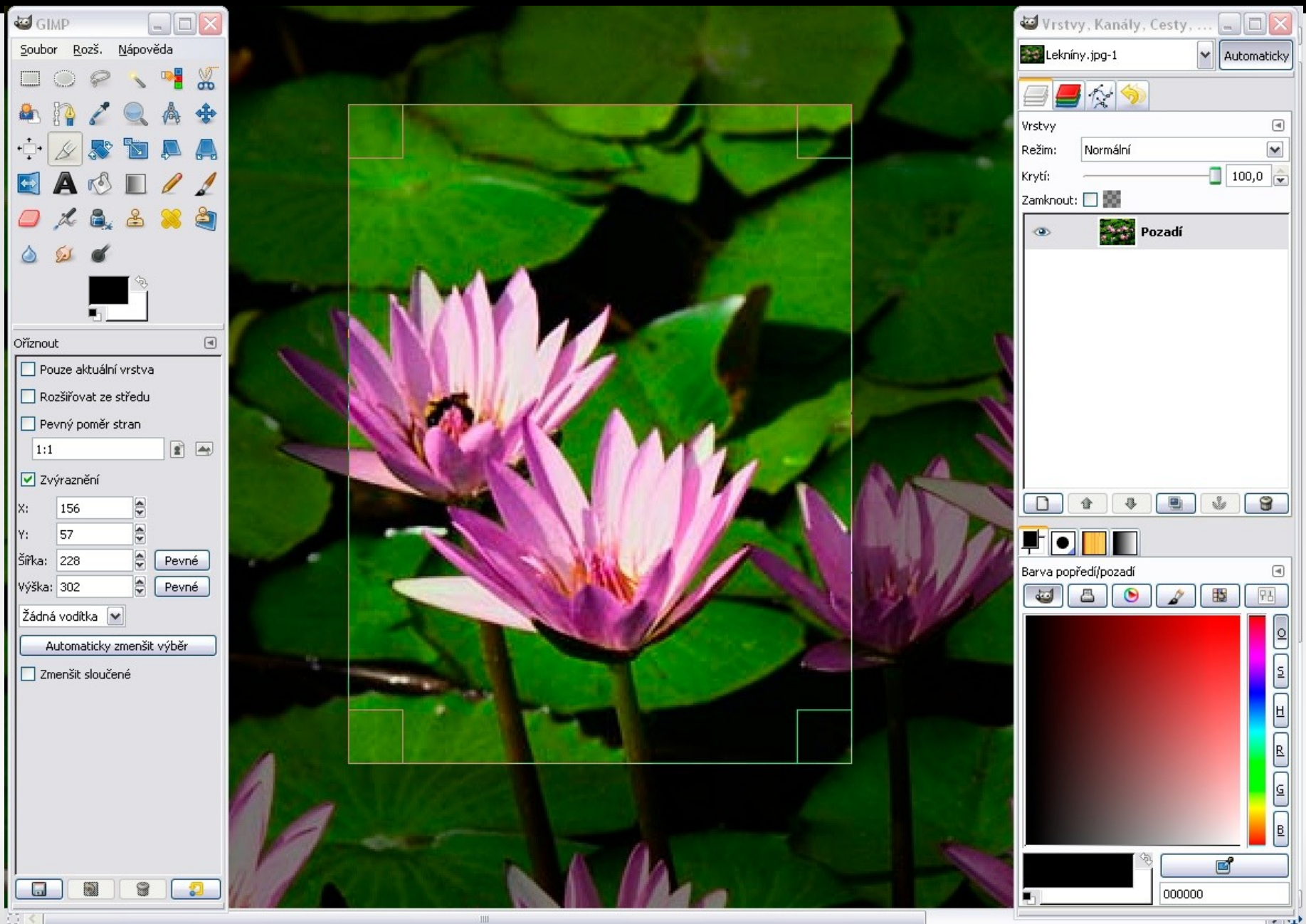
OpenMoko



Maemo



GIMP on windows



wxWidgets

- wxWidgets is a widget toolkit for creating graphical user interfaces (GUIs) for cross-platform applications.

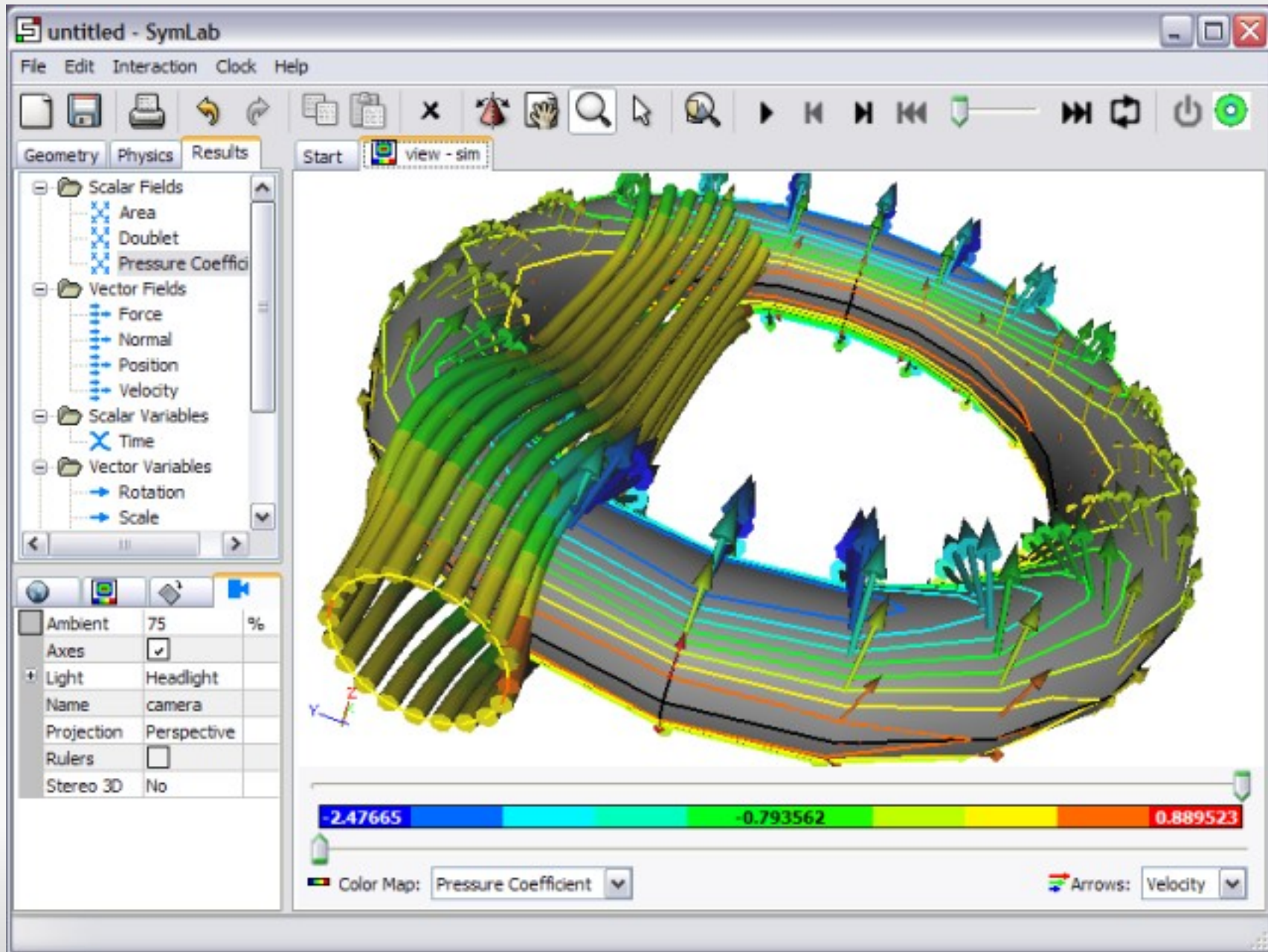
wxWidgets

- Main Language: C++
- Bindings:
 - Python (wxPython)
 - C# / .net
 - Haskell (wxHaskell)
 - Perl (wxPerl)
 - Ruby (wxRuby)
 - Smalltalk (wxSqueak)
 - Java (wx4j)
 - and even JavaScript (wxJavaScript)

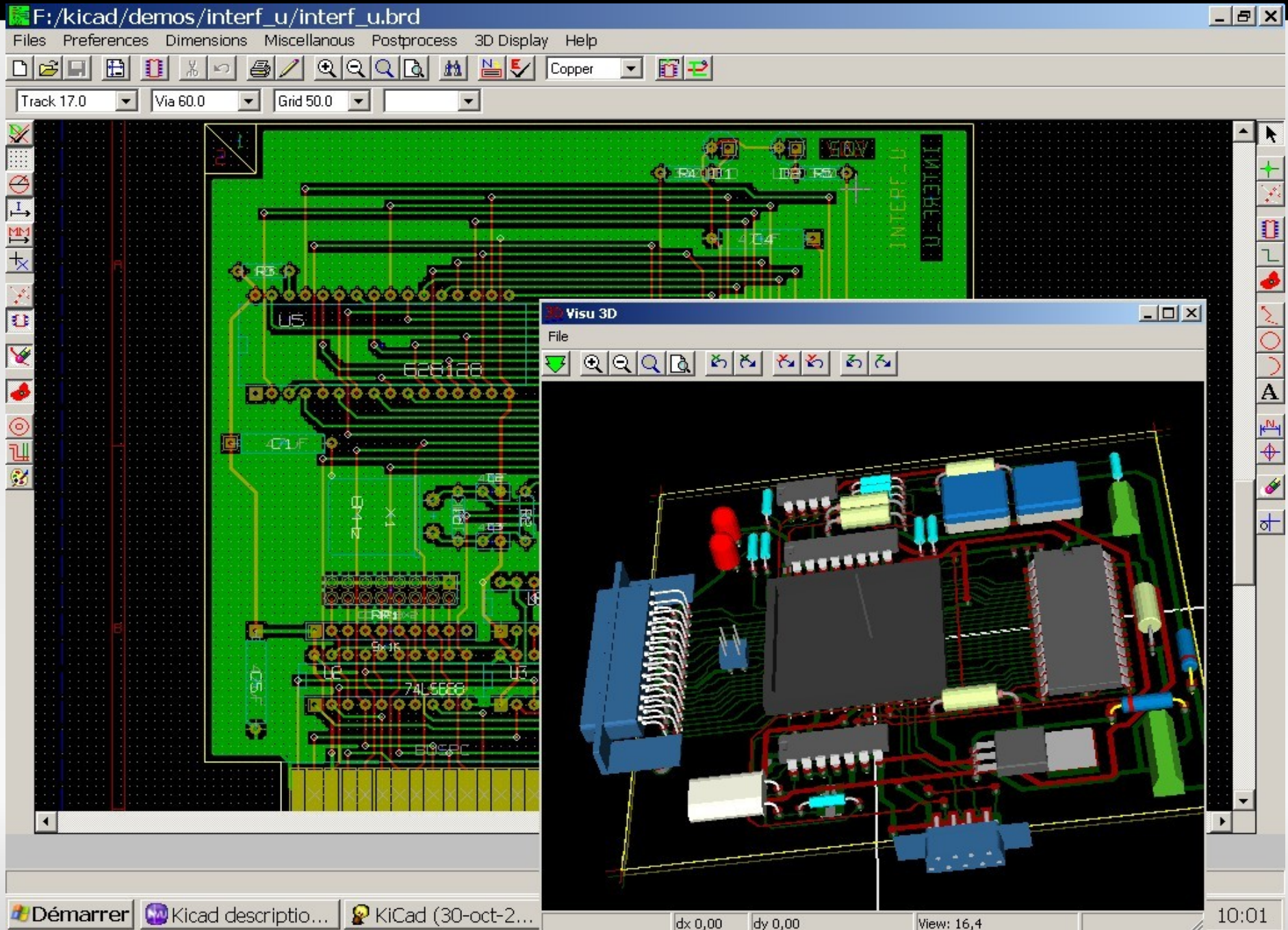
License

- GNU LGPL

SymLab



KICAD



Mono

- A free implementation of "MS .net Framework"
- **What is Mono™ exactly?**

The Mono Project is an open development initiative sponsored by Novell to develop an open source, UNIX version of the Microsoft .NET development platform. Its objective is to enable UNIX developers to build and deploy cross-platform .NET Applications. The project implements various technologies developed by Microsoft that have now been submitted to the ECMA for standardization.

Mono Feature Highlights

- **Multi-Platform**

Runs on Linux, OS X, BSD, and Microsoft Windows, including x86, x86-64, ARM, s390, PowerPC and much more

- **Multi-Language**

Develop in C# 3.0, VB 8, Java, Python, Ruby, Eiffel, F#, Oxygene , and more


Mono Feature Highlights

- **Microsoft Compatible API**
Run ASP.NET, ADO.NET, and Windows.Forms 2.0 applications without recompilation
- **Comprehensive Technology Coverage**
Bindings and managed implementations of many popular libraries and protocols
- **Open Source, Free Software**
Mono's runtime, compilers, and libraries are distributed under OSI approved licenses and are available for dual-licensing

Banshee

The Last American Cowboy (The Bled)

Music Edit Playback View Help




1:28 of 3:49  **The Last American Cowboy**
by The Bled from Found In The Flood Write CD Speaker


Music Library (4764) Search:


- The Receiving E... (13)
- The Bled (20)**
- Scapegoat - Let... (17)
- My Hero is Me - H... (7)
- Johnny Cash - T... (27)
- Classic Case -... (11)
- As Cities Burn -... (10)
- Favorites (28)
- Recent Songs (255)
- 80 Minutes of Fa... (10)
- Podcasts
- Aaron's Photo iPod (1323)
- New Audio CD


Track	Artist	Title	Album	Time	Rating
1	The Bled	Hotel Coral Essex	Found In The Flood	4:09	★★★
2	The Bled	Guttershark	Found In The Flood	3:28	★★★
3	The Bled	My Assassin	Found In The Flood	4:10	★★★★★
4	The Bled	Antarctica	Found In The Flood	5:54	★★
5	The Bled	She Calls Home	Found In The Flood	2:35	★★★★★
▶ 6	The Bled	The Last American Cowboy	Found In The Flood	3:49	★★★
7	The Bled	Daylight Bombings	Found In The Flood	4:47	★★★
8	The Bled	Millionaires	Found In The Flood	1:26	★★ ● ● ● ●
9	The Bled	With An Urgency	Found In The Flood	2:40	★★★★★
10	The Bled	I Don't Keep With Liars Anymore	Found In The Flood	37:46	★★★★★★
1	The Bled	Red Wedding	Pass The Flask	2:51	★★★
2	The Bled	You Know Who's Seatbelt	Pass The Flask	3:00	★★
3	The Bled	I Never Met Another Gemini	Pass The Flask	4:11	★★
4	The Bled	Ruth Buzzi Better Watch Her Back	Pass The Flask	3:31	★★★
5	The Bled	Sound Of Sulfur	Pass The Flask	3:12	★★★★★
6	The Bled	Porcelain Hearts And Hammers For Te	Pass The Flask	5:33	★★★★★★

Recommended Artists

-  Every Time I Die
100% similarity
-  Norma Jean
86% similarity
-  As I Lay Dying
77% similarity

-  Fear Before the March of Flames
87% similarity

-  Underoath
80% similarity

-  The Chariot
68% similarity

Top Tracks by The Bled

- Red Wedding ▶
- My Assassin ▶
- I Never Met Another Gemini ▶
- Hotel Coral Essex ▶
- The Last American Cowboy ▶

Top Albums by The Bled

- Found In The Flood
- Pass the Flask
- His First Crush
- Ambulance Romance
- My Assassin - download

20 Items, 1:48:57 Total Play Time





Beagle

Desktop Search: venice


Search View Help

Find: Find Now

▼ Images 1-4 of 28


-  **DSCF0573.JPG**
JPG 2592x1944 (885.8 KB)
-  **DSCF0576.JPG**
JPG 2592x1944 (830.9 KB)
-  **DSCF0582.JPG**
JPG 2592x1944 (948.2 KB)
-  **DSCF0574.JPG**
JPG 2592x1944 (856.2 KB)

▼ Documents 1 result

-  **England on the Eve of Coloniza...**
2 pages

▼ Conversations 6 results

<input checked="" type="checkbox"/> Case Daily - September 29, 2006	Case Daily	Sep 29
<input checked="" type="checkbox"/> Re: Italy Until the 3rd	Kevin Kubasik	Jun 23
<input checked="" type="checkbox"/> Re: Italy Until the 3rd	Sean Carlos	Jun 23

 **DSCF0573.JPG**
JPG 2592x1944 (885.8 KB)
Modified: 3 weeks ago (October 12, 2006)
Full Path: /home/kjk38/Photos/2005/2/25/DSCF0573.JPG

F-Spot

F-Spot

File Edit View Find Tags Help

Rotate Left Rotate Right Browse Edit Image Fullscreen Slideshow

Favorites
 Hidden
 People
 Places
 Events
 Air Show
 ID4 2005
 Other
 Clouds
 Various
 Fun Stuff

Name:
Version:
Date:
Size:
Exposure:

2005

Find:

6/18/2005	6/18/2005	6/18/2005	6/18/2005	6/18/2005	6/18/2005
6/18/2005	6/18/2005	6/18/2005	6/18/2005	6/18/2005	6/18/2005
6/18/2005	6/18/2005	6/18/2005	6/18/2005	6/18/2005	6/18/2005
6/18/2005	6/18/2005	6/18/2005			

F-Spot Photo Album

Other

- Gnome DO



- Second Life
- MonoDevelop
- ...

IDE

- Kdevelop (C, C++, Python, FreePascal, Java, Ruby)
- Eclipse (Java, C/C++, PHP, Python, ...)
- Code::Blocks (C/C++)
- Dev-C++ (Delphy, C/C++)
- Anjuta (C/C++)
- Eric (Python)
- MonoDevelop (C#, VB)

KDevelop

The screenshot displays the KDevelop IDE interface. The main window shows a C++ source file named `addexistingfilesdlg.cpp`. The code includes comments and function calls related to `KFileItemListIterator` and `QListViewItem`. A tooltip is visible over the `append` method of `QValueListIterator`, showing its signature and location.

```
// items added via button or drag 'n drop
KFileItemListIterator itemList ( m_importList );

// items already added to the importView
KFileItemListIterator importedList ( *importView->items() );

QListViewItem* child = m_titem->firstChild();

QStringList duplicateList;

while ( child )
{
    FileItem* curItem = static_cast<FileItem*> ( child );
    itemList.toFirst();

    for ( ; itemList.current(); ++itemList )
    {
        if ( ( *itemList )->name() == curItem->name() )
        {
            duplicateList.append ( ( *itemList )->name() );
        }
    }
    child = child->nextSibling();
}

importedList.toFirst();

for ( ; importedList.current(); ++importedList )
{
    itemList.toFirst();

    for ( ; itemList.current(); ++itemList )
```

The tooltip for `QValueListIterator::append` shows:

- Container: `QValueList<QString>`
- Kind: Function
- Access: public
- File: `/usr/lib64/qt3/include/qvaluelist.h`
- Line: 528 Column: 4

The interface also shows a File Selector on the left with a tree view of the project structure, including folders like `buildtools`, `ada`, `ant`, and `autotools`. The bottom status bar indicates the current cursor position: `Line: 172 Col: 18 INS NORM *`.

Eclipse

The screenshot displays the Eclipse IDE interface with the following components:

- Package Explorer (Left):** Shows a project hierarchy for 'MyJavaProject' containing 'mypackage', 'JRE System Library [JVM 1.4.2 (Ma...)]', 'ASPECTJRT_LIB - /Users/spyoun...', 'org.eclipse.ajdt.examples.progressm...' (expanded to show 'src' with files like 'IProgressCheckerRepor...', 'ProgressChecker.aj', 'ProgressCheckerUtil.jav...', and 'RuleViolations.java'), 'org.eclipse.ajdt.examples.pr...', 'JRE System Library [J2SE-1.5]', 'Plug-in Dependencies', 'META-INF', 'about.html', 'plugin.properties', and 'README.html'.
- Main Editor (Center):** Displays the source code for 'ProgressChecker.aj'. The code includes a comment about using progress monitors, a 'public aspect' declaration, a 'pointcut' for 'callsToBeginTask()', and 'before' and 'if' advice blocks that log the location and status of 'beginTask()' calls.
- Outline (Top Right):** Shows the structure of the 'org.eclipse.ajdt.examples.progres...' package, including 'import declarations' and the 'ProgressChecker' aspect.
- Cross References (Bottom Right):** Lists references to the 'before' advice, showing it 'advises' multiple instances of 'ProgressCheckerTest'.
- Problems View (Bottom):** Shows a table with columns 'Added/Removed', 'Source', 'Relationship', and 'Target'. It is currently empty.

```
/*
 * "How to Correctly and Uniformly Use Progress Monitors"
 * http://www.eclipse.org/articles/Article-Progress-Monitors/a
 */
public aspect ProgressChecker {

    // map to associate each progress monitor instance with a
    private static Map<IProgressMonitor, MonitorStatus> monitorMap = new HashMap<>();

    pointcut callsToBeginTask() : call(void IProgressMonitor.beginTask());

    before(IProgressMonitor mon, int ticks) : callsToBeginTask() && args(.., ticks) && target(mon) {
        String location = locationToString(thisEnclosingJoinPointStaticPart);
        MonitorStatus status = monitorMap.get(mon);
        if (status == null) {
            status = new MonitorStatus();
            monitorMap.put(mon, status);
        }
        if (status.doneCalled) {
            String msg = "Call to IProgressMonitor.beginTask()";
            String loc1 = "Location of beginTask() call: " + location;
            String loc2 = "Location of done() call: " + status.doneLocation;
            ProgressCheckerUtil.report(RuleViolations.CALL_BEG, msg, loc1, loc2);
            return;
        }
        if (status.beginCalled) {
            String msg = "IProgressMonitor.beginTask() has been called";
            String loc1 = "Location of first beginTask() call: " + location;
            String loc2 = "Location of second beginTask() call: " + location;
            ProgressCheckerUtil.report(RuleViolations.CALL_BEG, msg, loc1, loc2);
        }
    }
}
```

Code::Blocks

wxauitest.cpp [wxauitest] - Code::Blocks v1.0

File Edit View Search Project Build Debug wxSmith Tools Plugins Settings Help

Build target: Release Unicode

Management

Projects Symbols

Workspace

- wxauitest
 - wxauitest.cpp
 - wxauitest.rc

Open files list

Opened Files

- wxauitest.cpp
- wxauitest.rc

CPU Registers

R...	Hex	Integer
eax	0x22f8ac	2291884
ebx	0xc39940	12818752
ecx	0x1	1
edx	0x1	1
esp	0x22f84c	2291788
esi	0x440290	4457104
ebp	0x22f8d4	2291924
edi	0x22f9dc	2292188
eip	0x4123da	4269018
eflags	0x212	530
cs	0x1b	27
ds	0x23	35
es	0x23	35
fs	0x3b	59
gs	0x0	0
ss	0x23	35

Call stack

Nr	Address	Function	File	Line
0	00000000	MyFrame::OnCopyPerspectiveCod...	wxauitest.cpp	858
1	100AA088	wxEvtHandler::ProcessEventIfH...	C:\WINDOWS\sy...	
2	100AA4AC	wxEvtHashTable::HandleEvent()	C:\WINDOWS\sy...	
3	100AB489	wxEvtHandler::ProcessEvent()	C:\WINDOWS\sy...	
4	100AB429	wxEvtHandler::ProcessEvent()	C:\WINDOWS\sy...	
5	101AFC23	wxFrameBase::ProcessCommand()	C:\WINDOWS\sy...	
6	1013844F	wxFrame::HandleCommand()	C:\WINDOWS\sy...	

wxauitest.cpp wxauitest.rc

```
849
850
851     m_perspectives_menu->Append(ID_FirstPerspective + m_perspect
852     m_perspectives.Add(m_mgr.SavePerspective());
853 }
854
855 void MyFrame::OnCopyPerspectiveCode(wxCommandEvent& event)
856 {
857     wxString s = m_mgr.SavePerspective();
858     if (wxTheClipboard->Open())
859     {
860         wxTheClipboard->SetData(new wxTextDataObject(s));
861         wxTheClipboard->Close();
862     }
863 }
864
865 void MyFrame::OnRestorePerspective(wxCommandEvent& event)
866 {
867     m_mgr.LoadPerspective(m_perspectives.Item(event.GetId() - ID
868 ...
```

Watches

- m_action_window = 0x00000000
- m_action_hintrect
 - x = 0
 - y = 0
 - width = 0
 - height = 0
- m_hover_button = 0x0
- m_last_hint
 - x = 0
 - y = 0
 - width = 0
 - height = 0
- m_last_mouse_move
 - x = 259
 - y = 15
- m_hint_wnd = 0x0
- m_hint_fadetime = <incompl
- m_hint_fadeamt = -1163005
- static sm_eventTableEntries

Messages

Compiling: done

Adding source dir: C:\Devel\codeblocks\wxau-0.9\sample\

Adding file: .\ReleaseUnicode\wxauitest.exe

Starting debugger: done

Debugger name and version: GNU gdb 6.3

At C:/Devel/codeblocks/wxau-0.9/sample/wxauitest.cpp:856

At C:/Devel/codeblocks/wxau-0.9/sample/wxauitest.cpp:858

At C:/Devel/codeblocks/wxau-0.9/sample/wxauitest.cpp:858

Breakpoints

Line
0.9\sample\wxauitest.cpp 856

Code::Blocks Debug Search results Build log Build messages Debugger

C:\Devel\codeblocks\wxau-0.9\sample\wxauitest.cpp Line 858, Column 1 Insert Read/Write

Anjuta

The screenshot displays the Anjuta IDE interface. The main window is titled "anjuta - Anjuta" and contains several panes:

- Files:** Shows a project structure with folders like "data", "doc", "doc-pak", "global-tags", "launcher", "libanjuta", "libegg", and "manuals".
- Documents:** Displays the source code for "plugin.c". The code includes comments and defines a typedef for `AnjutaPluginValueRemoved`, a struct for `_AnjutaPlugin`, and a struct for `_AnjutaPluginClass`.

```
63  /* is removed from the shell (by the plugin exporting this value), this
64  /* callback will be called.
65  */
66  typedef void (*AnjutaPluginValueRemoved) (AnjutaPlugin *plugin,
67  const char *name,
68  gpointer user_data);
69
70
71  #define ANJUTA_TYPE_PLUGIN      (anjuta_plugin_get_type ())
72  #define ANJUTA_PLUGIN(o)      (G_TYPE_CHECK_INSTANCE_CAST ((o), ANJUTA_TYPE_PLUGIN, AnjutaPlugin))
73  #define ANJUTA_PLUGIN_CLASS(k) (G_TYPE_CHECK_CLASS_CAST((k), ANJUTA_TYPE_PLUGIN, AnjutaPluginClass))
74  #define ANJUTA_IS_PLUGIN(o)   (G_TYPE_CHECK_INSTANCE_TYPE ((o), ANJUTA_TYPE_PLUGIN))
75  #define ANJUTA_IS_PLUGIN_CLASS(k) (G_TYPE_CHECK_CLASS_TYPE ((k), ANJUTA_TYPE_PLUGIN))
76  #define ANJUTA_PLUGIN_GET_CLASS(o) (G_TYPE_INSTANCE_GET_CLASS ((o), ANJUTA_TYPE_PLUGIN, AnjutaPluginClass))
77
78  struct _AnjutaPlugin {
79      GObject parent;
80
81      /* The shell in which the plugin has been added */
82      AnjutaShell *shell;
83
84      /*< private >*/
85      AnjutaPluginPrivate *priv;
86  };
87
88  struct _AnjutaPluginClass {
89      GObjectClass parent_class;
```
- Project:** Lists various library files and components like `libanjuta-interfaces.la`, `libanjuta.la`, `test-multi-drag`, `test-tree-utils`, `test-actions`, `test-union`, `anjuta-tags`, `tm_global_tags.c`, `anjuta_launcher`, `anjuta`, `anjuta-shell`, `test_tm_buffer`, `libanjuta-ctags.la`, `libanjuta-cvs-plugin.la`, `gdbmi-test`, `libanjuta-gdb.la`, `debugger.c`, `debugger.h`, `gdbmi.c`, `gdbmi.h`, `plugin.c`, `plugin.h`, `utilities.c`, `utilities.h`, `libanjuta-project-import.la`, `libanjuta-macro.la`, `libanjuta-patch.la`, and `test_class_symbol_parsing.c`.
- Symbols:** Shows a list of classes and methods such as `Accessor`, `Action`, `AnEditor`, `AutoComplete`, `AutoLineLayout`, `AutoSurface`, `CallTip`, `Caret`, `active`, `on`, and `period`.
- Messages:** A terminal window showing build output:

```
Building in directory: /home/naba/projects/anjuta/plugins/editor
make text_editor_prefs.o
Compiling text_editor_prefs.c --> text_editor_prefs.o
Completed... successful
Total time taken: 1 secs
```

The status bar at the bottom indicates: Col: 000 Line: 0076 Project: anjuta Mode: INS Zoom: 0

MonoDevelop

The screenshot displays the MonoDevelop IDE interface. The main window shows the file `IdeStartup.cs` with the following code:

```
32 public int Run (string[] args)
33 {
34     Console.WriteLine ("MonoDevelop");
35     Console.WriteLine ("options:");
36     foreach (string option in args)
37     {
38         Console.WriteLine ("  {0}", option);
39     }
40     string serverName = "localhost";
41     string listenPort = "8080";
42     string endPoint = "tcp://*:*";
43     // Connect to the server
44     if (remainingArgs.Count > 0)
45     {
46         try
47         {
48             return 0;
49         } catch {}
50     }
51
52     string name = Assembly.GetEntryAssembly ().GetName ().Name;
53     string version = Assembly.GetEntryAssembly ().GetName ().Version.ToString ();
```

A tooltip for `System.Console.ReadLine()` is visible, stating: "Reads the next line of characters from the System.Console.InSystem.IO.TextReader."

The Search Results window at the bottom shows the following results:

Line	File	Text
33	IConsoleFactory.cs	public interface IConsoleFactory
35	IConsoleFactory.cs	IConsole CreateConsole
35	IConsoleFactory.cs	IConsole CreateConsole

Search completed. 121 matches found in 122 files.

The Class Browser on the right shows the project structure, including `MonoDevelop.Ide` and its sub-classes.

At the bottom, the status bar shows "Ready" and "In 34 col 20 ch 9 INS".



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