Subject: Ubuntu 8.04 linking problem
Posted by Mindtraveller on Tue, 27 May 2008 00:02:42 GMT
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OK, my second attempt to master U++ under Linux.
Installed upp2008 DEB package, after that - latest SVN DEB-package.
Compiling was OK (but much slower than Windows MSC8).
Linking fails with a big number of warnings and errors on DEBUG and RELEASE with any linkage type (STATIC, SHARED or ALL SHARED).

Here is an example of verbose output of linking problems:

```
----- CtrlLib ( GUI MT GCC LINUX ) (1 / 9)
cd /home/paul/upp/uppsrc/CtrlLib
----- CtrlCore ( GUI MT GCC LINUX ) (2 / 9)
cd /home/paul/upp/uppsrc/CtrlCore
----- RichText ( GUI MT GCC LINUX ) (3 / 9)
cd /home/paul/upp/uppsrc/RichText
----- PdfDraw ( GUI MT GCC LINUX ) (4 / 9)
cd /home/paul/upp/uppsrc/PdfDraw
----- Draw ( GUI MT GCC LINUX ) (5 / 9)
cd /home/paul/upp/uppsrc/Draw
----- plugin\bmp ( GUI MT GCC LINUX ) (6 / 9)
cd /home/paul/upp/uppsrc/plugin/bmp
----- Core ( GUI MT GCC LINUX ) (7 / 9)
cd /home/paul/upp/uppsrc/Core
----- plugin\png ( GUI MT GCC LINUX ) (8 / 9)
cd /home/paul/upp/uppsrc/plugin/png
----- HelloWorld ( GUI MT MAIN GCC LINUX ) (9 / 9)
cd /home/paul/upp/examples/HelloWorld
Linking...
g++-4.1 -static -o "/home/paul/upp/out/GCC.Gui.Mt/HelloWorld" -Wl,-s -L"/usr/X11R6/lib"
-L"/usr/lib" -Wl,-O,2
   "/home/paul/upp/out/HelloWorld/GCC.Gui.Main.Mt/hello.o"
"/home/paul/upp/out/CtrlLib/GCC.Gui.Mt/CtrlLib.
 o" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.o"
"/home/paul/upp/out/RichText/GCC.Gui.Mt/RichImage.
 o" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfReport.o"
"/home/paul/upp/out/plugin/bmp/GCC.Gui.Mt/BmpReg.o
 " "/home/paul/upp/out/plugin/png/GCC.Gui.Mt/pngreg.o" -Wl,--start-group
"/home/paul/upp/out/CtrlLib/GCC.
 Gui.Mt/CtrlLib.a" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.a"
"/home/paul/upp/out/RichText/GCC.Gu
 i.Mt/RichText.a" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfDraw.a" -lgtk-x11-2.0
-lgdk-x11-2.0 -latk-1.0
 -lgdk_pixbuf-2.0 -lm -lpangocairo-1.0 -lfontconfig -lXext -lXrender -lXinerama -lXi -lXrandr
-lXcursor -l
 Xfixes -lpango-1.0 -lcairo -lX11 -lgobject-2.0 -lgmodule-2.0 -lglib-2.0 -lX11 -ldl -lXft -lfontconfig -lX
 render -lfreetype -lexpat "/home/paul/upp/out/Draw/GCC.Gui.Mt/Draw.a"
```

"/home/paul/upp/out/plugin/bmp/GCC.
 Gui.Mt/bmp.a" -lpthread -ldl -lz "/home/paul/upp/out/Core/GCC.Gui.Mt/Core.a" -lpng
"/home/paul/upp/out/pl
 ugin/png/GCC.Gui.Mt/png.a" -Wl,--end-group
/usr/lib/libX11.a(CrGlCur.o): In function `open_library':
(.text+0x3b): warning: Using 'dlopen' in statically linked applications requires at runtime the shared
librar
 ies from the glibc version used for linking
/usr/lib/libglib-2.0.a(gutils.o): In function `g_get_any_init_do':
(.text+0x146e): warning: Using 'getpwuid' in statically linked applications requires at runtime the
shared li
 braries from the glibc version used for linking
/usr/lib/libglib-2.0.a(gutils.o): In function `g_get_any_init_do':
(.text+0x1461): warning: Using 'setpwent' in statically linked applications requires at runtime the
shared li
 braries from the glibc version used for linking
/usr/lib/libglib-2.0.a(gutils.o): In function `g_get_any_init_do':
(.text+0x1476): warning: Using 'endpwent' in statically linked applications requires at runtime the
shared li
 braries from the glibc version used for linking
/usr/lib/libX11.a(GetDflt.o): In function `GetHomeDir':
(.text+0xa9): warning: Using 'getpwnam_r' in statically linked applications requires at runtime the
shared li
 braries from the glibc version used for linking
/usr/lib/libX11.a(GetDflt.o): In function `GetHomeDir':
(.text+0x104): warning: Using 'getpwuid_r' in statically linked applications requires at runtime the
shared l
 ibraries from the glibc version used for linking
/usr/lib/libX11.a(xim_trans.o): In function `_XimXTransSocketOpen':
(.text+0x6c0): warning: Using 'getaddrinfo' in statically linked applications requires at runtime the
shared
 libraries from the glibc version used for linking
/usr/lib/libX11.a(xim_trans.o): In function `_XimXTransSocketUNIXConnect':
(.text+0xd86): warning: Using 'gethostbyname' in statically linked applications requires at runtime
the share
 d libraries from the glibc version used for linking
/usr/lib/libX11.a(xim_trans.o): In function `_XimXTransSocketINETConnect':
(.text+0x191d): warning: Using 'getservbyname' in statically linked applications requires at runtime
the shar
 ed libraries from the glibc version used for linking
/usr/lib/libgdk-x11-2.0.a(gdkdisplay-x11.o): In function `gdk_display_open':
(.text+0xfcd): undefined reference to `XCompositeQueryExtension'
/usr/lib/libgdk-x11-2.0.a(gdkdisplay-x11.o): In function `gdk_display_open':
(.text+0xff4): undefined reference to `XDamageQueryExtension'
/usr/lib/libgdk-x11-2.0.a(gdkevents-x11.o): In function `gdk_event_translate':
(.text+0x2e3b): undefined reference to `XDamageSubtract'
/usr/lib/libgdk-x11-2.0.a(gdkwindow-x11.o): In function
`_gdk_windowing_window_set_composited':

(.text+0xab): undefined reference to `XCompositeRedirectWindow'
/usr/lib/libgdk-x11-2.0.a(gdkwindow-x11.o): In function
`_gdk_windowing_window_set_composited':
(.text+0xbf): undefined reference to `XDamageCreate'
/usr/lib/libgdk-x11-2.0.a(gdkwindow-x11.o): In function
`_gdk_windowing_window_set_composited':
(.text+0xe3): undefined reference to `XCompositeUnredirectWindow'
/usr/lib/libgdk-x11-2.0.a(gdkwindow-x11.o): In function
`_gdk_windowing_window_set_composited':
(.text+0xf2): undefined reference to `XDamageDestroy'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x3c4): undefined reference to `jpeg_std_error'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x406): undefined reference to `jpeg_CreateCompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x499): undefined reference to `jpeg_set_defaults'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x4b3): undefined reference to `jpeg_set_quality'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x4c3): undefined reference to `jpeg_start_compress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x551): undefined reference to `jpeg_write_scanlines'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x579): undefined reference to `jpeg_finish_compress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x581): undefined reference to `jpeg_destroy_compress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x5b2): undefined reference to `jpeg_destroy_compress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `real_save_jpeg':
(.text+0x64c): undefined reference to `jpeg_stdio_dest'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_lines':
(.text+0xea0): undefined reference to `jpeg_read_scanlines'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x11ab): undefined reference to `jpeg_start_output'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x11ed): undefined reference to `jpeg_finish_output'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x1206): undefined reference to `jpeg_input_complete'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x1215): undefined reference to `jpeg_input_complete'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x126f): undefined reference to `jpeg_save_markers'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x1282): undefined reference to `jpeg_read_header'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x12fc): undefined reference to `jpeg_calc_output_dimensions'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x1338): undefined reference to `jpeg_calc_output_dimensions'

/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load_increment':
(.text+0x13d5): undefined reference to `jpeg_start_decompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_stop_load':
(.text+0x1555): undefined reference to `jpeg_destroy_decompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_stop_load':
(.text+0x158c): undefined reference to `jpeg_finish_decompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x15fd): undefined reference to `jpeg_std_error'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x165c): undefined reference to `jpeg_CreateDecompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x16b6): undefined reference to `jpeg_resync_to_restart'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x16ee): undefined reference to `jpeg_save_markers'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x16fe): undefined reference to `jpeg_read_header'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x170f): undefined reference to `jpeg_start_decompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x17cd): undefined reference to `jpeg_read_scanlines'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x181c): undefined reference to `jpeg_destroy_decompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x1862): undefined reference to `jpeg_finish_decompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x186a): undefined reference to `jpeg_destroy_decompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_load':
(.text+0x1946): undefined reference to `jpeg_destroy_decompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_begin_load':
(.text+0x1a16): undefined reference to `jpeg_CreateDecompress'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_begin_load':
(.text+0x1a53): undefined reference to `jpeg_std_error'
/usr/lib/libgdk_pixbuf-2.0.a(io-jpeg.o): In function `gdk_pixbuf__jpeg_image_begin_load':
(.text+0x1a93): undefined reference to `jpeg_resync_to_restart'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `tiff_pop_handlers':
(.text+0x1f4): undefined reference to `TIFFSetErrorHandler'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `tiff_pop_handlers':
(.text+0x201): undefined reference to `TIFFSetWarningHandler'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `tiff_push_handlers':
(.text+0x244): undefined reference to `TIFFSetErrorHandler'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `tiff_push_handlers':
(.text+0x255): undefined reference to `TIFFSetWarningHandler'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x3fa): undefined reference to `TIFFClientOpen'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x4a2): undefined reference to `TIFFSetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x4b9): undefined reference to `TIFFSetField'

/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x4d1): undefined reference to `TIFFSetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x4f1): undefined reference to `TIFFSetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x508): undefined reference to `TIFFSetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o):(.text+0x520): more undefined references to `TIFFSetField' follow
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x58d): undefined reference to `TIFFWriteScanline'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x5d5): undefined reference to `TIFFClose'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x5ff): undefined reference to `TIFFSetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x616): undefined reference to `TIFFSetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x635): undefined reference to `TIFFSetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_save_to_callback':
(.text+0x642): undefined reference to `TIFFClose'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `tiff_image_parse':
(.text+0x98b): undefined reference to `TIFFGetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `tiff_image_parse':
(.text+0x9f1): undefined reference to `TIFFGetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `tiff_image_parse':
(.text+0xae6): undefined reference to `TIFFGetField'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `tiff_image_parse':
(.text+0xb59): undefined reference to `TIFFReadRGBAImageOriented'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_stop_load':
(.text+0xe15): undefined reference to `TIFFClientOpen'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_stop_load':
(.text+0xe5d): undefined reference to `TIFFClose'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_load':
(.text+0x1026): undefined reference to `TIFFFdOpen'
/usr/lib/libgdk_pixbuf-2.0.a(io-tiff.o): In function `gdk_pixbuf__tiff_image_load':
(.text+0x1083): undefined reference to `TIFFClose'
/usr/lib/libpangocairo-1.0.a(libpangocairo_1_0_la-pangocairo-fcfontmap.o): In function `pango_cairo_fc_font_m
ap_get_type':
(.text+0x7a): undefined reference to `pango_fc_font_map_get_type'
/usr/lib/libpangocairo-1.0.a(libpangocairo_1_0_la-pangocairo-fcfontmap.o): In function `pango_cairo_fc_font_m
ap_set_resolution':
(.text+0x16e): undefined reference to `pango_fc_font_map_cache_clear'
/usr/lib/libpangocairo-1.0.a(libpangocairo_1_0_la-pangocairo-fcfont.o): In function `pango_cairo_fc_font_get_
type':
(.text+0x6a): undefined reference to `pango_fc_font_get_type'

/usr/lib/libpangocairo-1.0.a(libpangocairo_1_0_la-pangocairo-fcfont.o): In function
`pango_cairo_fc_font_crea
 te_metrics_for_context':
(.text+0x345): undefined reference to `pango_fc_font_create_metrics_for_context'
/usr/lib/libpango-1.0.a(libpango_thai_lang_la-thai-lang.o): In function `thai_engine_break':
(.text+0x124): undefined reference to `th_uni2tis'
/usr/lib/libpango-1.0.a(libpango_thai_lang_la-thai-lang.o): In function `thai_engine_break':
(.text+0x173): undefined reference to `th_brk'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function `_cairo_image_surface_finish':
(.text+0x6f8): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_set_attributes':
(.text+0x760): undefined reference to `pixman_image_set_transform'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_set_attributes':
(.text+0x7c5): undefined reference to `pixman_image_set_filter'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_set_attributes':
(.text+0x822): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_set_attributes':
(.text+0x842): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_set_attributes':
(.text+0x85d): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_set_attributes':
(.text+0x878): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_fill_rectangles':
(.text+0x973): undefined reference to `pixman_image_fill_rectangles'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite':
(.text+0xaef): undefined reference to `pixman_image_composite'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_set_clip_region':
(.text+0xcb0): undefined reference to `pixman_image_set_clip_region'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function `_pixman_format_from_masks':
(.text+0xdbb): undefined reference to `pixman_format_supported_destination'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_for_pixman_i
 mage':
(.text+0xeea): undefined reference to `pixman_image_get_data'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_for_pixman_i
 mage':
(.text+0xf16): undefined reference to `pixman_image_get_width'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function

```
`_cairo_image_surface_create_for_pixman_i
 mage':
(.text+0xf24): undefined reference to `pixman_image_get_height'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_for_pixman_i
 mage':
(.text+0xf32): undefined reference to `pixman_image_get_stride'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_for_pixman_i
 mage':
(.text+0xf40): undefined reference to `pixman_image_get_depth'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_with_pixman_
 format':
(.text+0x114b): undefined reference to `pixman_image_create_bits'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_create_with_pixman_
 format':
(.text+0x117c): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
 s':
(.text+0x1879): undefined reference to `pixman_image_create_bits'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
 s':
(.text+0x18bf): undefined reference to `pixman_add_trapezoids'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
 s':
(.text+0x193d): undefined reference to `pixman_image_composite'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
 s':
(.text+0x195e): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-image-surface.o): In function
`_cairo_image_surface_composite_trapezoid
 s':
(.text+0x19dd): undefined reference to `pixman_add_trapezoids'
/usr/lib/libcairo.a(libcairo_la-cairo-matrix.o): In function `_cairo_matrix_to_pixman_matrix':
(.text+0xbb1): undefined reference to `pixman_transform_point_3d'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_contains_rectangle':
(.text+0x34): undefined reference to `pixman_region_contains_rectangle'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_union_rect':
(.text+0x92): undefined reference to `pixman_region_union_rect'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_intersect':
(.text+0xcb): undefined reference to `pixman_region_intersect'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_subtract':
```

(.text+0x10b): undefined reference to `pixman_region_subtract'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_get_extents':
(.text+0x141): undefined reference to `pixman_region_extents'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_get_boxes':
(.text+0x197): undefined reference to `pixman_region_rectangles'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_copy':
(.text+0x264): undefined reference to `pixman_region_copy'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_init_boxes':
(.text+0x339): undefined reference to `pixman_region_init_rects'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_init_rect':
(.text+0x39b): undefined reference to `pixman_region_init_rect'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_translate':
(.text+0x45): undefined reference to `pixman_region_translate'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_not_empty':
(.text+0x55): undefined reference to `pixman_region_not_empty'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_num_boxes':
(.text+0x245): undefined reference to `pixman_region_n_rects'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_fini':
(.text+0x285): undefined reference to `pixman_region_fini'
/usr/lib/libcairo.a(libcairo_la-cairo-region.o): In function `_cairo_region_init':
(.text+0x3b5): undefined reference to `pixman_region_init'
/usr/lib/libcairo.a(libcairo_la-cairo-scaled-font.o): In function `_cairo_scaled_font_show_glyphs':
(.text+0x17a7): undefined reference to `pixman_image_set_component_alpha'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1a6c): undefined reference to `pixman_image_create_radial_gradient'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1b0d): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1b37): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1dd5): undefined reference to `pixman_image_create_linear_gradient'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1e0c): undefined reference to `pixman_image_set_filter'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1e2d): undefined reference to `pixman_image_set_transform'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1e5d): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1ecb): undefined reference to `pixman_image_composite'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x1ed9): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x24b1): undefined reference to `pixman_image_unref'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x24dd): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':
(.text+0x2509): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-pattern.o): In function `_cairo_pattern_acquire_surface':

(.text+0x2524): undefined reference to `pixman_image_set_repeat'
/usr/lib/libcairo.a(libcairo_la-cairo-ft-font.o): In function `_get_bitmap_surface':
(.text+0x813): undefined reference to `pixman_image_set_component_alpha'
/usr/lib/libX11.a(ClDisplay.o): In function `XCloseDisplay':
(.text+0xbe): undefined reference to `xcb_disconnect'
/usr/lib/libX11.a(OpenDis.o): In function `OutOfMemory':
(.text+0x3fa): undefined reference to `xcb_disconnect'
/usr/lib/libX11.a(OpenDis.o): In function `XOpenDisplay':
(.text+0x7e2): undefined reference to `xcb_get_setup'
/usr/lib/libX11.a(OpenDis.o): In function `XOpenDisplay':
(.text+0xc29): undefined reference to `xcb_get_maximum_request_length'
/usr/lib/libX11.a(xcb_lock.o): In function `_XPutXCBBuffer':
(.text+0xdd): undefined reference to `xcb_get_request_sent'
/usr/lib/libX11.a(xcb_lock.o): In function `_XPutXCBBuffer':
(.text+0x30e): undefined reference to `xcb_get_request_sent'
/usr/lib/libX11.a(xcb_lock.o): In function `_XPutXCBBuffer':
(.text+0x33d): undefined reference to `xcb_send_request'
/usr/lib/libX11.a(xcb_lock.o): In function `_XGetXCBBuffer':
(.text+0x568): undefined reference to `xcb_get_request_sent'
/usr/lib/libX11.a(xcb_lock.o): In function `_XGetXCBBuffer':
(.text+0x57b): undefined reference to `xcb_connection_has_error'
/usr/lib/libX11.a(xcb_lock.o): In function `_XCBUnlockDisplay':
(.text+0x6ad): undefined reference to `xcb_xlib_unlock'
/usr/lib/libX11.a(xcb_lock.o): In function `_XCBUnlockDisplay':
(.text+0x6e0): undefined reference to `xcb_get_request_sent'
/usr/lib/libX11.a(xcb_lock.o): In function `_XCBLockDisplay':
(.text+0x78d): undefined reference to `xcb_xlib_lock'
/usr/lib/libX11.a(xcb_disp.o): In function `_XConnectXCB':
(.text+0x94): undefined reference to `xcb_parse_display'
/usr/lib/libX11.a(xcb_disp.o): In function `_XConnectXCB':
(.text+0x147): undefined reference to `xcb_connect_to_display_with_auth_info'
/usr/lib/libX11.a(xcb_disp.o): In function `_XConnectXCB':
(.text+0x165): undefined reference to `xcb_get_file_descriptor'
/usr/lib/libX11.a(xcb_disp.o): In function `_XConnectXCB':
(.text+0x18e): undefined reference to `xcb_generate_id'
/usr/lib/libX11.a(xcb_disp.o): In function `_XConnectXCB':
(.text+0x199): undefined reference to `xcb_connection_has_error'
/usr/lib/libX11.a(xcb_disp.o): In function `_XConnectXCB':
(.text+0x1c3): undefined reference to `xcb_connect'
/usr/lib/libX11.a(xcb_io.o): In function `wait_or_poll_for_event':
(.text+0x3ef): undefined reference to `xcb_wait_for_event'
/usr/lib/libX11.a(xcb_io.o): In function `wait_or_poll_for_event':
(.text+0x414): undefined reference to `xcb_poll_for_event'
/usr/lib/libX11.a(xcb_io.o): In function `process_responses':
(.text+0x4c3): undefined reference to `xcb_connection_has_error'
/usr/lib/libX11.a(xcb_io.o): In function `process_responses':
(.text+0x519): undefined reference to `xcb_xlib_unlock'
/usr/lib/libX11.a(xcb_io.o): In function `process_responses':

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(.text+0x543): undefined reference to `xcb_xlib_lock'
/usr/lib/libX11.a(xcb_io.o): In function `process_responses':
(.text+0x5de): undefined reference to `xcb_poll_for_reply'
/usr/lib/libX11.a(xcb_io.o): In function `_XReply':
(.text+0x890): undefined reference to `xcb_xlib_unlock'
/usr/lib/libX11.a(xcb_io.o): In function `_XReply':
(.text+0x8bb): undefined reference to `xcb_wait_for_reply'
/usr/lib/libX11.a(xcb_io.o): In function `_XAllocIDs':
(.text+0xb60): undefined reference to `xcb_generate_id'
/usr/lib/libX11.a(xcb_io.o): In function `_XIDHandler':
(.text+0xb98): undefined reference to `xcb_generate_id'
/usr/lib/libX11.a(xcb_io.o): In function `_XSend':
(.text+0xc45): undefined reference to `xcb_flush'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_get_string_number':
(.text+0x39f): undefined reference to `pcre_get_stringnumber'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_get_capture_count':
(.text+0x426): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_get_max_backref':
(.text+0x456): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_unref':
(.text+0x6f7): undefined reference to `pcre_free'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_unref':
(.text+0x707): undefined reference to `pcre_free'
/usr/lib/libglib-2.0.a(gregex.o): In function `match_info_new':
(.text+0x895): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_match_all_full':
(.text+0x1068): undefined reference to `pcre_dfa_exec'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x12a5): undefined reference to `pcre_compile2'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x12ce): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x1333): undefined reference to `pcre_study'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x13c0): undefined reference to `pcre_config'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x13db): undefined reference to `pcre_config'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_regex_new':
(.text+0x1422): undefined reference to `pcre_fullinfo'
/usr/lib/libglib-2.0.a(gregex.o): In function `get_matched_substring_number':
(.text+0x1a4e): undefined reference to `pcre_get_stringnumber'
/usr/lib/libglib-2.0.a(gregex.o): In function `get_matched_substring_number':
(.text+0x1a79): undefined reference to `pcre_get_stringtable_entries'
/usr/lib/libglib-2.0.a(gregex.o): In function `g_match_info_next':
(.text+0x1cc3): undefined reference to `pcre_exec'
collect2: ld returned 1 exit status
g++-4.1 -static -o "/home/paul/upp/out/GCC.Gui.Mt/HelloWorld" -Wl,-s -L"/usr/X11R6/lib"
-L"/usr/lib" -Wl,-O,2
```

```
   "/home/paul/upp/out/HelloWorld/GCC.Gui.Main.Mt/hello.o"
"/home/paul/upp/out/CtrlLib/GCC.Gui.Mt/CtrlLib.
 o" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.o"
"/home/paul/upp/out/RichText/GCC.Gui.Mt/RichImage.
 o" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfReport.o"
"/home/paul/upp/out/plugin/bmp/GCC.Gui.Mt/BmpReg.o
 " "/home/paul/upp/out/plugin/png/GCC.Gui.Mt/pngreg.o" -Wl,--start-group
"/home/paul/upp/out/CtrlLib/GCC.
 Gui.Mt/CtrlLib.a" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.a"
"/home/paul/upp/out/RichText/GCC.Gu
 i.Mt/RichText.a" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfDraw.a" -lgtk-x11-2.0
-lgdk-x11-2.0 -latk-1.0
 -lgdk_pixbuf-2.0 -lm -lpangocairo-1.0 -lfontconfig -lXext -lXrender -lXinerama -lXi -lXrandr
-lXcursor -l
 Xfixes -lpango-1.0 -lcairo -lX11 -lgobject-2.0 -lgmodule-2.0 -lglib-2.0 -lX11 -ldl -lXft -lfontconfig -lX
 render -lfreetype -lexpat "/home/paul/upp/out/Draw/GCC.Gui.Mt/Draw.a"
"/home/paul/upp/out/plugin/bmp/GCC.
 Gui.Mt/bmp.a" -lpthread -ldl -lz "/home/paul/upp/out/Core/GCC.Gui.Mt/Core.a" -lpng
"/home/paul/upp/out/pl
 ugin/png/GCC.Gui.Mt/png.a" -Wl,--end-group
Error executing g++-4.1 -static -o "/home/paul/upp/out/GCC.Gui.Mt/HelloWorld" -Wl,-s
-L"/usr/X11R6/lib" -L"/u
 sr/lib" -Wl,-O,2  "/home/paul/upp/out/HelloWorld/GCC.Gui.Main.Mt/hello.o"
"/home/paul/upp/out/CtrlLib/GCC
 .Gui.Mt/CtrlLib.o" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.o"
"/home/paul/upp/out/RichText/GCC.G
 ui.Mt/RichImage.o" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfReport.o"
"/home/paul/upp/out/plugin/bmp/GCC
 .Gui.Mt/BmpReg.o" "/home/paul/upp/out/plugin/png/GCC.Gui.Mt/pngreg.o" -Wl,--start-group
"/home/paul/upp/
 out/CtrlLib/GCC.Gui.Mt/CtrlLib.a" "/home/paul/upp/out/CtrlCore/GCC.Gui.Mt/CtrlCore.a"
"/home/paul/upp/out
 /RichText/GCC.Gui.Mt/RichText.a" "/home/paul/upp/out/PdfDraw/GCC.Gui.Mt/PdfDraw.a"
-lgtk-x11-2.0 -lgdk-x1
 1-2.0 -latk-1.0 -lgdk_pixbuf-2.0 -lm -lpangocairo-1.0 -lfontconfig -lXext -lXrender -lXinerama -lXi
-lXra
 ndr -lXcursor -lXfixes -lpango-1.0 -lcairo -lX11 -lgobject-2.0 -lgmodule-2.0 -lglib-2.0 -lX11 -ldl -lXft
 -lfontconfig -lXrender -lfreetype -lexpat "/home/paul/upp/out/Draw/GCC.Gui.Mt/Draw.a"
"/home/paul/upp/out
 /plugin/bmp/GCC.Gui.Mt/bmp.a" -lpthread -ldl -lz "/home/paul/upp/out/Core/GCC.Gui.Mt/Core.a"
-lpng "/home
 /paul/upp/out/plugin/png/GCC.Gui.Mt/png.a" -Wl,--end-group
Exitcode: 1

There were errors. (1:20.11)
```