Carl Worth
X Developers' Conference
2005-02-13
• How far have we come?
• Where are we going?
• What's it going to take to get there?
How far have we come?

- Lots of progress since last year:
  - New backends
  - New developers
  - New applications
  - New bindings
  - New license (LGPL + MPL)
  - Performance improvements
cairo

Backends as of 2004-04

• OpenGL (glitz)
• X Render Extension
• Core X graphics
• In-memory image
• Postscript

• Planned: PDF, Mac OS X (Quartz), Win32
cairo

- OpenGL (glitz)
- X Render Extension
- Core X graphics
- In-memory image
- Postscript
- PDF
- Mac OS X (Quartz)
- Win32

Backends as of 2005-02
New developers

- Alexander Larsson
  - Profiling, performance improvements
- Kristian Høgsberg
  - PDF backend, backend interface
- Calum Robinson
  - Quartz backend
- Owen Taylor
  - Win32 backend, font rewrite, gtk-doc
New applications

• Dia
• Gtk+/Pango
• Mozilla
• Scribus
• Swfdec
• Squeak
• Xpdf
• etc.
Where are we going?
cairo

Where are we going?

- cairo 1.0
- Before Gtk+ 2.6 (August 2005)
- Hopefully May or June 2005
How to get there

- API stabilization
- Testing
  - Test suite infrastructure in place
  - Needs to test more backends
  - Need more tests
- Performance
  - Profiling with real applications
• Rendering equation (clipping)
• Mask support
• Destroy notifiers?
• Transparent datatypes
  • cairo_matrix_t
  • cairo_path_t
• Group rendering
(all slides rendered with cairo)