

What happened to
Extended Layout Management?

Mathias Hasselmann

Openismus

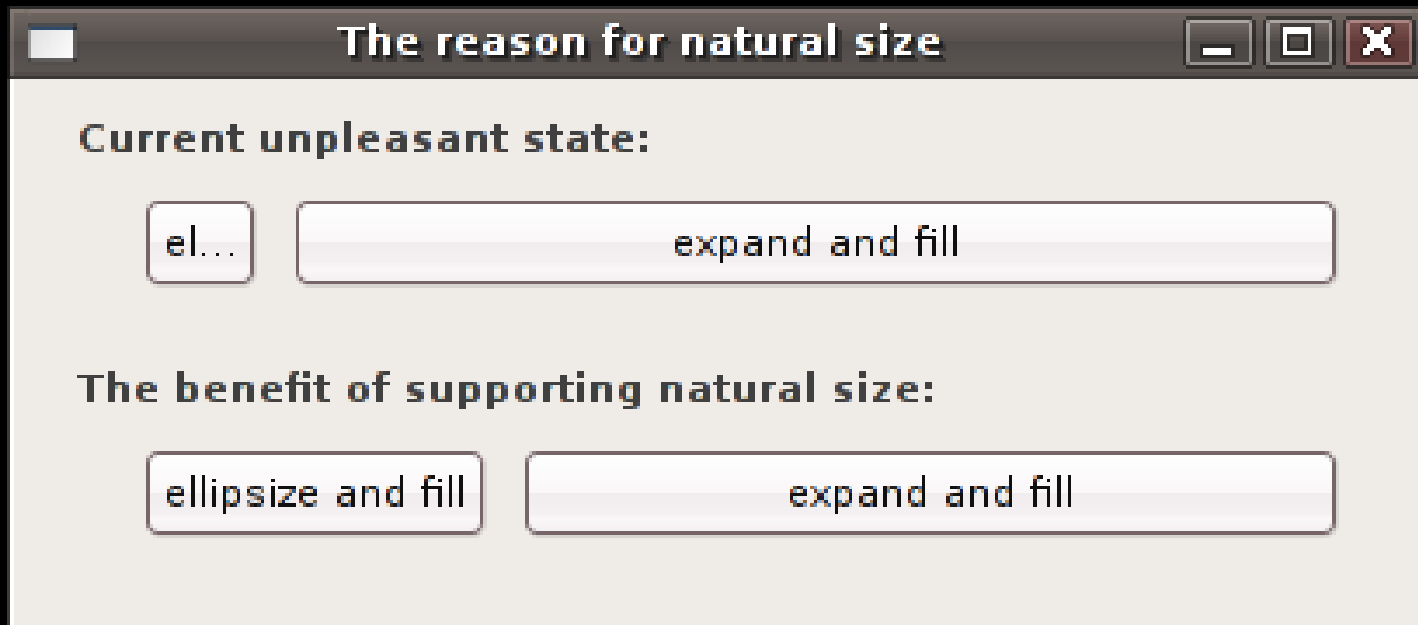


Extended Layout Management

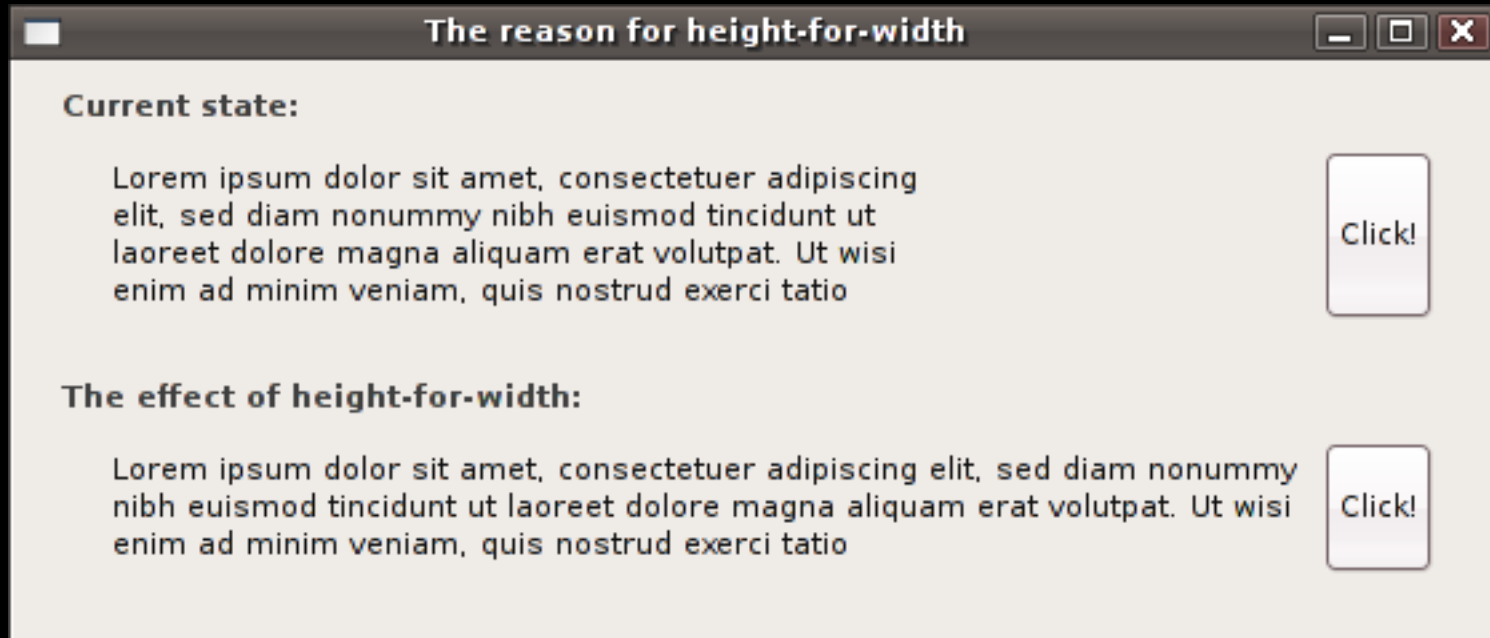
- Bug #104188 –
Add height-for-width geometry management
- Bug #101968 –
Height-for-width wrapping for GtkLabel



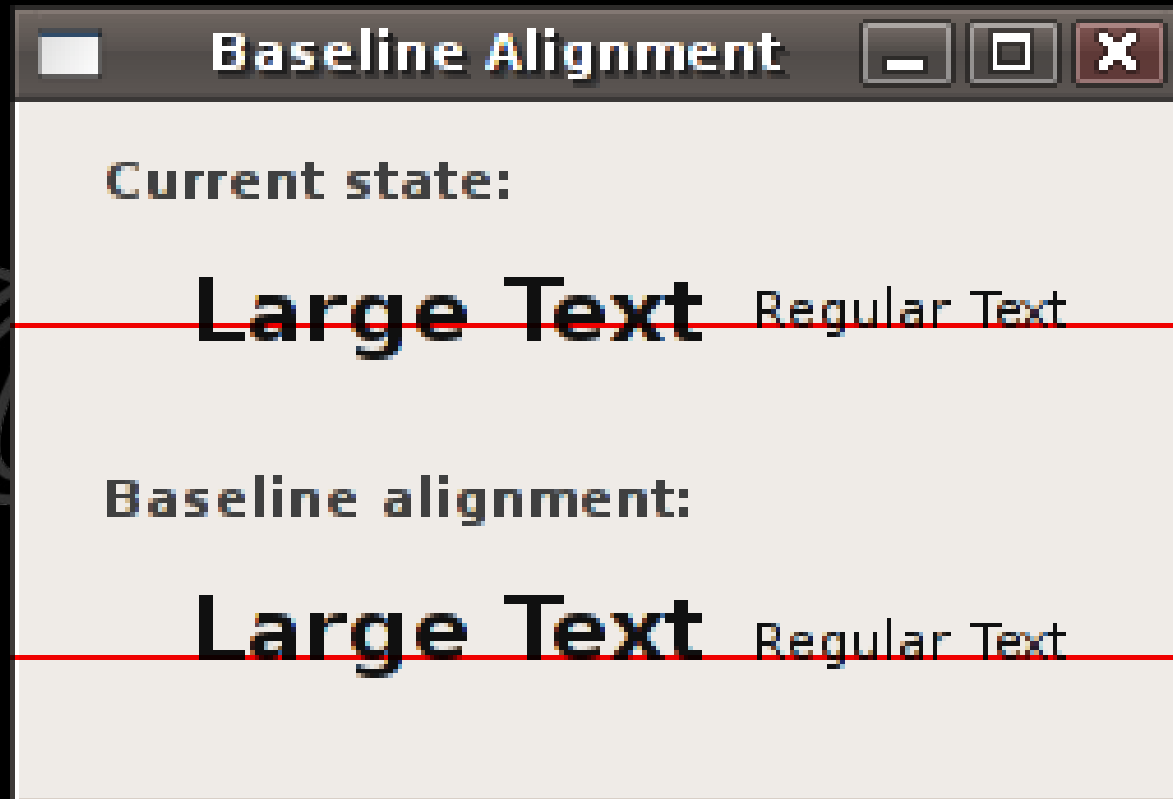
Natural Size



Height for Width



Baseline Alignment



Google Summer of Code

- Google Summer of Code 2007 mentored by Federico Mena-Quintero
- SoC patch set suggested for **review** in November 2007
- Behdad and Havoc suggested **improvements** for widget placement and API
- Test implementation of the suggestions for GtkLabel and GtkHBox in January 2008



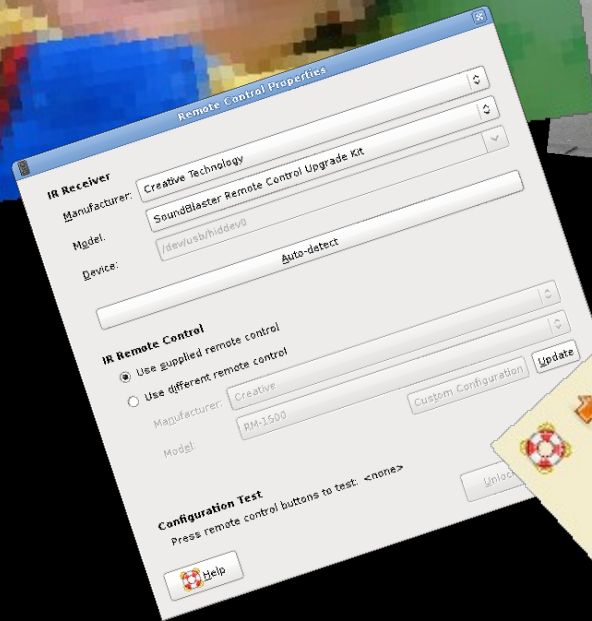
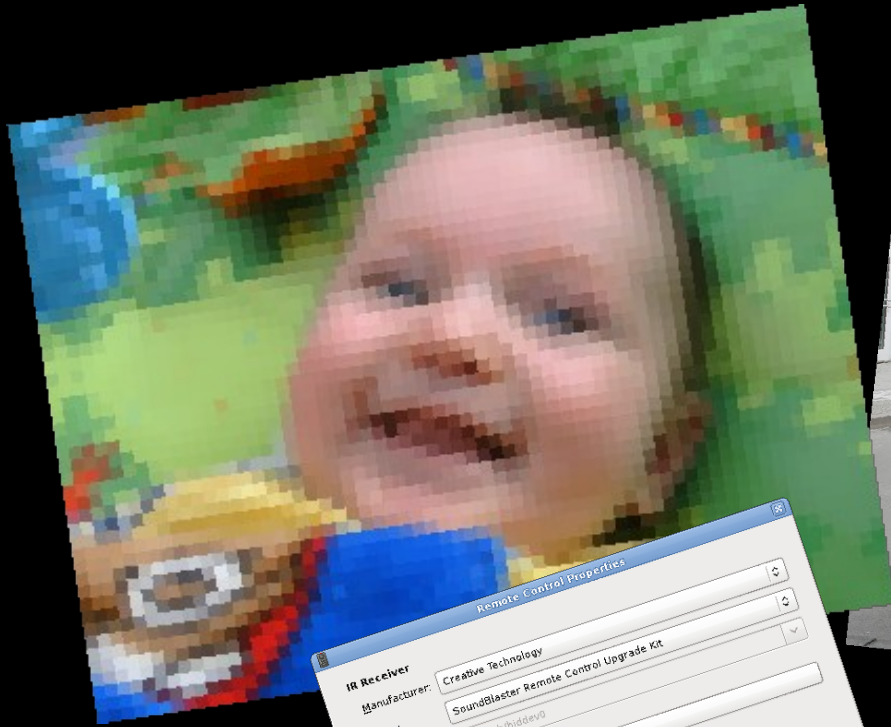
But not there yet!

- Still **didn't make** it for GTK+ 2.14

Openismus



Nice Distractions



Future?

- Will meet with Tim Janik during Maemo Summit for review, discussion, merge plan
- Release with **GTK+ 2.16**

Openismus



GtkExtendedLayout Interface

```
void (*get_desired_size)
(GtkExtendedLayout *layout,
 GtkRequisition *minimum_size,
 GtkRequisition *natural_size);
```

```
static void
maman_bar_size_request (GtkWidget *widget,
                        GtkRequisition *requisition)
{
    GTK_EXTENDED_LAYOUT_GET_IFACE (widget)->
        get_desired_size (widget, requisition, NULL);
}
```



GtkExtendedLayout Interface

```
void (*get_width_for_height)
(GtkExtendedLayout *layout,
 gint height,
 gint *minimum_width,
 gint *natural_width);
```

```
void (*get_height_for_width)
(GtkExtendedLayout *layout,
 gint width,
 gint *minimum_height,
 gint *natural_height);
```

Openismus

