

XFontSetExtents – XFontSetExtents structure

The **XFontSetExtents** structure contains:

```
typedef struct {  
    XRectangle max_ink_extent;           /* over all drawable characters */  
    XRectangle max_logical_extent;     /* over all drawable characters */  
} XFontSetExtents;
```

The **XRectangle** structures used to return font set metrics are the usual Xlib screen-oriented rectangles with *x*, *y* giving the upper left corner, and width and height always positive.

The *max_ink_extent* member gives the maximum extent, over all drawable characters, of the rectangles that bound the character glyph image drawn in the foreground color, relative to a constant origin. See **XmbTextExtents** and **XwcTextExtents** for detailed semantics.

The *max_logical_extent* member gives the maximum extent, over all drawable characters, of the rectangles that specify minimum spacing to other graphical features, relative to a constant origin. Other graphical features drawn by the client, for example, a border surrounding the text, should not intersect this rectangle. The *max_logical_extent* member should be used to compute minimum interline spacing and the minimum area that must be allowed in a text field to draw a given number of arbitrary characters.

Due to context-dependent rendering, appending a given character to a string may change the string's extent by an amount other than that character's individual extent.

XCreateFontSet(3X11), XExtentsOfFontSet(3X11), XFontsOfFontSet(3X11)

Xlib – C Language X Interface