

# API Documentation

API Documentation

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## Contents

<b>Contents</b>	<b>1</b>
<b>1 Module xformslib.library</b>	<b>12</b>
1.1 Functions . . . . .	12
1.2 Variables . . . . .	108
1.3 Class XFormsLoadError . . . . .	109
1.3.1 Methods . . . . .	109
1.3.2 Properties . . . . .	110
1.4 Class XFormsTypeError . . . . .	110
1.4.1 Methods . . . . .	110
1.4.2 Properties . . . . .	110
<b>2 Module xformslib.xfdata</b>	<b>112</b>
2.1 Variables . . . . .	112
2.2 Class FL_PUP_ENTRY . . . . .	143
2.2.1 Methods . . . . .	143
2.2.2 Properties . . . . .	143
2.2.3 Class Variables . . . . .	143
2.3 Class FL_PUP_ENTRY . . . . .	144
2.3.1 Methods . . . . .	144
2.3.2 Properties . . . . .	144
2.3.3 Class Variables . . . . .	144
2.4 Class XExtData . . . . .	145
2.4.1 Methods . . . . .	145
2.4.2 Properties . . . . .	145
2.4.3 Class Variables . . . . .	146
2.5 Class Visual . . . . .	146
2.5.1 Methods . . . . .	146
2.5.2 Properties . . . . .	147
2.5.3 Class Variables . . . . .	147
2.6 Class XVisualInfo . . . . .	148
2.6.1 Methods . . . . .	148
2.6.2 Properties . . . . .	148
2.6.3 Class Variables . . . . .	148
2.7 Class FL_FORM_ . . . . .	149
2.7.1 Methods . . . . .	149
2.7.2 Properties . . . . .	150

2.7.3	Class Variables	150
2.8	Class FL_FORM_	153
2.8.1	Methods	153
2.8.2	Properties	153
2.8.3	Class Variables	153
2.9	Class FL_OBJECT_	156
2.9.1	Methods	156
2.9.2	Properties	157
2.9.3	Class Variables	157
2.10	Class FL_OBJECT_	161
2.10.1	Methods	161
2.10.2	Properties	161
2.10.3	Class Variables	161
2.11	Class FL_pixmap_	165
2.11.1	Methods	165
2.11.2	Properties	165
2.11.3	Class Variables	166
2.12	Class FL_pixmap_	166
2.12.1	Methods	167
2.12.2	Properties	167
2.12.3	Class Variables	167
2.13	Class FD_Any	168
2.13.1	Methods	168
2.13.2	Properties	168
2.13.3	Class Variables	168
2.14	Class XFontProp	169
2.14.1	Methods	169
2.14.2	Properties	169
2.14.3	Class Variables	170
2.15	Class XCharStruct	170
2.15.1	Methods	170
2.15.2	Properties	170
2.15.3	Class Variables	171
2.16	Class XFontStruct	171
2.16.1	Methods	171
2.16.2	Properties	172
2.16.3	Class Variables	172
2.17	Class GC	173
2.17.1	Methods	173
2.17.2	Properties	173
2.18	Class FL_State	174
2.18.1	Methods	174
2.18.2	Properties	174
2.18.3	Class Variables	174
2.19	Class FL_State	176
2.19.1	Methods	176
2.19.2	Properties	176
2.19.3	Class Variables	176
2.20	Class FL_FONT	178
2.20.1	Methods	178
2.20.2	Properties	178

2.20.3	Class Variables . . . . .	178
2.21	Class XPoint . . . . .	179
2.21.1	Methods . . . . .	179
2.21.2	Properties . . . . .	179
2.21.3	Class Variables . . . . .	180
2.22	Class XPoint . . . . .	180
2.22.1	Methods . . . . .	180
2.22.2	Properties . . . . .	180
2.22.3	Class Variables . . . . .	181
2.23	Class XRectangle . . . . .	181
2.23.1	Methods . . . . .	181
2.23.2	Properties . . . . .	182
2.23.3	Class Variables . . . . .	182
2.24	Class XRectangle . . . . .	182
2.24.1	Methods . . . . .	182
2.24.2	Properties . . . . .	183
2.24.3	Class Variables . . . . .	183
2.25	Class FL_RESOURCE . . . . .	183
2.25.1	Methods . . . . .	183
2.25.2	Properties . . . . .	184
2.25.3	Class Variables . . . . .	184
2.26	Class XrmOptionDescRec . . . . .	185
2.26.1	Methods . . . . .	185
2.26.2	Properties . . . . .	185
2.26.3	Class Variables . . . . .	185
2.27	Class XrmOptionDescList . . . . .	186
2.27.1	Methods . . . . .	186
2.27.2	Properties . . . . .	186
2.28	Class XrmOptionDescRec . . . . .	187
2.28.1	Methods . . . . .	187
2.28.2	Properties . . . . .	187
2.28.3	Class Variables . . . . .	187
2.29	Class FL_RESOURCE . . . . .	188
2.29.1	Methods . . . . .	188
2.29.2	Properties . . . . .	188
2.29.3	Class Variables . . . . .	188
2.30	Class FL_IOP_T . . . . .	189
2.30.1	Methods . . . . .	189
2.30.2	Properties . . . . .	189
2.30.3	Class Variables . . . . .	190
2.31	Class FL_RGB2PIXEL_ . . . . .	191
2.31.1	Methods . . . . .	192
2.31.2	Properties . . . . .	192
2.31.3	Class Variables . . . . .	192
2.32	Class FL_RGB2PIXEL_ . . . . .	193
2.32.1	Methods . . . . .	193
2.32.2	Properties . . . . .	193
2.32.3	Class Variables . . . . .	194
2.33	Class FL_POPUP_ . . . . .	194
2.33.1	Methods . . . . .	194
2.33.2	Properties . . . . .	195

2.33.3	Class Variables . . . . .	195
2.34	Class FL_POPUP_ . . . . .	197
2.34.1	Methods . . . . .	197
2.34.2	Properties . . . . .	198
2.34.3	Class Variables . . . . .	198
2.35	Class FL_POPUP_ENTRY_ . . . . .	200
2.35.1	Methods . . . . .	200
2.35.2	Properties . . . . .	201
2.35.3	Class Variables . . . . .	201
2.36	Class FL_POPUP_ENTRY_ . . . . .	202
2.36.1	Methods . . . . .	203
2.36.2	Properties . . . . .	203
2.36.3	Class Variables . . . . .	203
2.37	Class FL_POPUP_RETURN_ . . . . .	205
2.37.1	Methods . . . . .	205
2.37.2	Properties . . . . .	205
2.37.3	Class Variables . . . . .	205
2.38	Class FL_POPUP_RETURN_ . . . . .	206
2.38.1	Methods . . . . .	206
2.38.2	Properties . . . . .	207
2.38.3	Class Variables . . . . .	207
2.39	Class FL_POPUP_ITEM . . . . .	207
2.39.1	Methods . . . . .	208
2.39.2	Properties . . . . .	208
2.39.3	Class Variables . . . . .	208
2.40	Class FL_BUTTON_SPEC . . . . .	209
2.40.1	Methods . . . . .	209
2.40.2	Properties . . . . .	209
2.40.3	Class Variables . . . . .	209
2.41	Class FL_BUTTON_SPEC . . . . .	210
2.41.1	Methods . . . . .	211
2.41.2	Properties . . . . .	211
2.41.3	Class Variables . . . . .	211
2.42	Class XSetWindowAttributes . . . . .	212
2.42.1	Methods . . . . .	212
2.42.2	Properties . . . . .	213
2.42.3	Class Variables . . . . .	213
2.43	Class GLXContext . . . . .	214
2.43.1	Methods . . . . .	214
2.43.2	Properties . . . . .	214
2.43.3	Class Variables . . . . .	214
2.44	Class FL_Dirlist . . . . .	215
2.44.1	Methods . . . . .	215
2.44.2	Properties . . . . .	215
2.44.3	Class Variables . . . . .	215
2.45	Class FLPS_CONTROL . . . . .	216
2.45.1	Methods . . . . .	216
2.45.2	Properties . . . . .	216
2.45.3	Class Variables . . . . .	216
2.46	Class FD_CMDLOG . . . . .	218
2.46.1	Methods . . . . .	218

2.46.2	Properties . . . . .	218
2.46.3	Class Variables . . . . .	218
2.47	Class FD_FSELECTOR . . . . .	219
2.47.1	Methods . . . . .	219
2.47.2	Properties . . . . .	219
2.47.3	Class Variables . . . . .	220
2.48	Class FL_EditKeymap . . . . .	221
2.48.1	Methods . . . . .	221
2.48.2	Properties . . . . .	221
2.48.3	Class Variables . . . . .	221
2.49	Class flimage.text_ . . . . .	223
2.49.1	Methods . . . . .	223
2.49.2	Properties . . . . .	223
2.49.3	Class Variables . . . . .	223
2.50	Class flimage.text_ . . . . .	224
2.50.1	Methods . . . . .	224
2.50.2	Properties . . . . .	225
2.50.3	Class Variables . . . . .	225
2.51	Class flimage.marker_ . . . . .	226
2.51.1	Methods . . . . .	226
2.51.2	Properties . . . . .	226
2.51.3	Class Variables . . . . .	226
2.52	Class flimage.marker_ . . . . .	227
2.52.1	Methods . . . . .	227
2.52.2	Properties . . . . .	228
2.52.3	Class Variables . . . . .	228
2.53	Class flimage.setup_ . . . . .	229
2.53.1	Methods . . . . .	229
2.53.2	Properties . . . . .	229
2.53.3	Class Variables . . . . .	230
2.54	Class FLIMAGESETUP . . . . .	231
2.54.1	Methods . . . . .	231
2.54.2	Properties . . . . .	231
2.55	Class _IO_FILE . . . . .	232
2.55.1	Methods . . . . .	232
2.55.2	Properties . . . . .	232
2.56	Class flimage_ . . . . .	232
2.56.1	Methods . . . . .	233
2.56.2	Properties . . . . .	233
2.56.3	Class Variables . . . . .	233
2.57	Class flimage_ . . . . .	240
2.57.1	Methods . . . . .	240
2.57.2	Properties . . . . .	240
2.57.3	Class Variables . . . . .	240
2.58	Class flimage.setup_ . . . . .	247
2.58.1	Methods . . . . .	247
2.58.2	Properties . . . . .	248
2.58.3	Class Variables . . . . .	248
2.59	Class FLIMAGE_JPEG_OPTION . . . . .	249
2.59.1	Methods . . . . .	249
2.59.2	Properties . . . . .	249

2.59.3	Class Variables . . . . .	249
2.60	Class FLIMAGE_FORMAT_INFO . . . . .	250
2.60.1	Methods . . . . .	250
2.60.2	Properties . . . . .	250
2.60.3	Class Variables . . . . .	251
2.61	Class XWindowAttributes . . . . .	251
2.61.1	Methods . . . . .	251
2.61.2	Properties . . . . .	252
2.61.3	Class Variables . . . . .	252
2.62	Class XExtCodes . . . . .	253
2.62.1	Methods . . . . .	253
2.62.2	Properties . . . . .	254
2.62.3	Class Variables . . . . .	254
2.63	Class XPixmapFormatValues . . . . .	254
2.63.1	Methods . . . . .	254
2.63.2	Properties . . . . .	255
2.63.3	Class Variables . . . . .	255
2.64	Class XGCValues . . . . .	255
2.64.1	Methods . . . . .	255
2.64.2	Properties . . . . .	256
2.64.3	Class Variables . . . . .	256
2.65	Class Depth . . . . .	257
2.65.1	Methods . . . . .	257
2.65.2	Properties . . . . .	258
2.65.3	Class Variables . . . . .	258
2.66	Class Screen . . . . .	258
2.66.1	Methods . . . . .	259
2.66.2	Properties . . . . .	259
2.66.3	Class Variables . . . . .	259
2.67	Class ScreenFormat . . . . .	260
2.67.1	Methods . . . . .	260
2.67.2	Properties . . . . .	261
2.67.3	Class Variables . . . . .	261
2.68	Class XHostAddress . . . . .	261
2.68.1	Methods . . . . .	262
2.68.2	Properties . . . . .	262
2.68.3	Class Variables . . . . .	262
2.69	Class XServerInterpretedAddress . . . . .	263
2.69.1	Methods . . . . .	263
2.69.2	Properties . . . . .	263
2.69.3	Class Variables . . . . .	263
2.70	Class funcs . . . . .	264
2.70.1	Methods . . . . .	264
2.70.2	Properties . . . . .	264
2.70.3	Class Variables . . . . .	264
2.71	Class XImage . . . . .	265
2.71.1	Methods . . . . .	265
2.71.2	Properties . . . . .	265
2.71.3	Class Variables . . . . .	266
2.72	Class XWindowChanges . . . . .	267
2.72.1	Methods . . . . .	267

2.72.2	Properties . . . . .	267
2.72.3	Class Variables . . . . .	267
2.73	Class XColor . . . . .	268
2.73.1	Methods . . . . .	268
2.73.2	Properties . . . . .	269
2.73.3	Class Variables . . . . .	269
2.74	Class XSegment . . . . .	269
2.74.1	Methods . . . . .	269
2.74.2	Properties . . . . .	270
2.74.3	Class Variables . . . . .	270
2.75	Class XArc . . . . .	270
2.75.1	Methods . . . . .	271
2.75.2	Properties . . . . .	271
2.75.3	Class Variables . . . . .	271
2.76	Class XKeyboardControl . . . . .	272
2.76.1	Methods . . . . .	272
2.76.2	Properties . . . . .	272
2.76.3	Class Variables . . . . .	272
2.77	Class XKeyboardState . . . . .	273
2.77.1	Methods . . . . .	273
2.77.2	Properties . . . . .	273
2.77.3	Class Variables . . . . .	274
2.78	Class XTimeCoord . . . . .	274
2.78.1	Methods . . . . .	274
2.78.2	Properties . . . . .	275
2.78.3	Class Variables . . . . .	275
2.79	Class XModifierKeymap . . . . .	275
2.79.1	Methods . . . . .	275
2.79.2	Properties . . . . .	276
2.79.3	Class Variables . . . . .	276
2.80	Class XDisplay . . . . .	276
2.80.1	Methods . . . . .	276
2.80.2	Properties . . . . .	277
2.80.3	Class Variables . . . . .	277
2.81	Class XKeyEvent . . . . .	277
2.81.1	Methods . . . . .	277
2.81.2	Properties . . . . .	278
2.81.3	Class Variables . . . . .	278
2.82	Class XKeyEvent . . . . .	279
2.82.1	Methods . . . . .	279
2.82.2	Properties . . . . .	279
2.82.3	Class Variables . . . . .	279
2.83	Class XKeyEvent . . . . .	281
2.83.1	Methods . . . . .	281
2.83.2	Properties . . . . .	281
2.83.3	Class Variables . . . . .	281
2.84	Class XButtonEvent . . . . .	282
2.84.1	Methods . . . . .	282
2.84.2	Properties . . . . .	283
2.84.3	Class Variables . . . . .	283
2.85	Class XButtonEvent . . . . .	284

2.85.1	Methods . . . . .	284
2.85.2	Properties . . . . .	284
2.85.3	Class Variables . . . . .	285
2.86	Class XButtonEvent . . . . .	286
2.86.1	Methods . . . . .	286
2.86.2	Properties . . . . .	286
2.86.3	Class Variables . . . . .	286
2.87	Class XMotionEvent . . . . .	287
2.87.1	Methods . . . . .	287
2.87.2	Properties . . . . .	288
2.87.3	Class Variables . . . . .	288
2.88	Class XMotionEvent . . . . .	289
2.88.1	Methods . . . . .	289
2.88.2	Properties . . . . .	289
2.88.3	Class Variables . . . . .	290
2.89	Class XCrossingEvent . . . . .	291
2.89.1	Methods . . . . .	291
2.89.2	Properties . . . . .	291
2.89.3	Class Variables . . . . .	291
2.90	Class XCrossingEvent . . . . .	292
2.90.1	Methods . . . . .	293
2.90.2	Properties . . . . .	293
2.90.3	Class Variables . . . . .	293
2.91	Class XCrossingEvent . . . . .	294
2.91.1	Methods . . . . .	294
2.91.2	Properties . . . . .	295
2.91.3	Class Variables . . . . .	295
2.92	Class XFocusChangeEvent . . . . .	296
2.92.1	Methods . . . . .	296
2.92.2	Properties . . . . .	296
2.92.3	Class Variables . . . . .	297
2.93	Class XFocusChangeEvent . . . . .	297
2.93.1	Methods . . . . .	297
2.93.2	Properties . . . . .	298
2.93.3	Class Variables . . . . .	298
2.94	Class XFocusChangeEvent . . . . .	299
2.94.1	Methods . . . . .	299
2.94.2	Properties . . . . .	299
2.94.3	Class Variables . . . . .	299
2.95	Class XKeymapEvent . . . . .	300
2.95.1	Methods . . . . .	300
2.95.2	Properties . . . . .	300
2.95.3	Class Variables . . . . .	301
2.96	Class XExposeEvent . . . . .	301
2.96.1	Methods . . . . .	301
2.96.2	Properties . . . . .	302
2.96.3	Class Variables . . . . .	302
2.97	Class XGraphicsExposeEvent . . . . .	303
2.97.1	Methods . . . . .	303
2.97.2	Properties . . . . .	303
2.97.3	Class Variables . . . . .	303



2.98 Class XNoExposeEvent . . . . .	304
2.98.1 Methods . . . . .	304
2.98.2 Properties . . . . .	305
2.98.3 Class Variables . . . . .	305
2.99 Class XVisibilityEvent . . . . .	305
2.99.1 Methods . . . . .	306
2.99.2 Properties . . . . .	306
2.99.3 Class Variables . . . . .	306
2.100Class XCreateWindowEvent . . . . .	307
2.100.1 Methods . . . . .	307
2.100.2 Properties . . . . .	307
2.100.3 Class Variables . . . . .	307
2.101Class XDestroyWindowEvent . . . . .	308
2.101.1 Methods . . . . .	308
2.101.2 Properties . . . . .	309
2.101.3 Class Variables . . . . .	309
2.102Class XUnmapEvent . . . . .	309
2.102.1 Methods . . . . .	310
2.102.2 Properties . . . . .	310
2.102.3 Class Variables . . . . .	310
2.103Class XMapEvent . . . . .	311
2.103.1 Methods . . . . .	311
2.103.2 Properties . . . . .	311
2.103.3 Class Variables . . . . .	311
2.104Class XMapRequestEvent . . . . .	312
2.104.1 Methods . . . . .	312
2.104.2 Properties . . . . .	312
2.104.3 Class Variables . . . . .	313
2.105Class XReparentEvent . . . . .	313
2.105.1 Methods . . . . .	313
2.105.2 Properties . . . . .	314
2.105.3 Class Variables . . . . .	314
2.106Class XConfigureEvent . . . . .	315
2.106.1 Methods . . . . .	315
2.106.2 Properties . . . . .	315
2.106.3 Class Variables . . . . .	315
2.107Class XGravityEvent . . . . .	316
2.107.1 Methods . . . . .	316
2.107.2 Properties . . . . .	317
2.107.3 Class Variables . . . . .	317
2.108Class XResizeRequestEvent . . . . .	318
2.108.1 Methods . . . . .	318
2.108.2 Properties . . . . .	318
2.108.3 Class Variables . . . . .	318
2.109Class XConfigureRequestEvent . . . . .	319
2.109.1 Methods . . . . .	319
2.109.2 Properties . . . . .	319
2.109.3 Class Variables . . . . .	320
2.110Class XCirculateEvent . . . . .	321
2.110.1 Methods . . . . .	321
2.110.2 Properties . . . . .	321

2.110.3 Class Variables . . . . .	321
2.111 Class XCirculateRequestEvent . . . . .	322
2.111.1 Methods . . . . .	322
2.111.2 Properties . . . . .	322
2.111.3 Class Variables . . . . .	323
2.112 Class XPropertyEvent . . . . .	323
2.112.1 Methods . . . . .	323
2.112.2 Properties . . . . .	324
2.112.3 Class Variables . . . . .	324
2.113 Class XSelectionClearEvent . . . . .	325
2.113.1 Methods . . . . .	325
2.113.2 Properties . . . . .	325
2.113.3 Class Variables . . . . .	325
2.114 Class XSelectionRequestEvent . . . . .	326
2.114.1 Methods . . . . .	326
2.114.2 Properties . . . . .	326
2.114.3 Class Variables . . . . .	327
2.115 Class XSelectionEvent . . . . .	327
2.115.1 Methods . . . . .	328
2.115.2 Properties . . . . .	328
2.115.3 Class Variables . . . . .	328
2.116 Class XColormapEvent . . . . .	329
2.116.1 Methods . . . . .	329
2.116.2 Properties . . . . .	329
2.116.3 Class Variables . . . . .	329
2.117 Class N19XClientMessageEvent4DOT_71E . . . . .	330
2.117.1 Methods . . . . .	330
2.117.2 Properties . . . . .	331
2.117.3 Class Variables . . . . .	331
2.118 Class XClientMessageEvent . . . . .	331
2.118.1 Methods . . . . .	331
2.118.2 Properties . . . . .	332
2.118.3 Class Variables . . . . .	332
2.119 Class XMappingEvent . . . . .	333
2.119.1 Methods . . . . .	333
2.119.2 Properties . . . . .	333
2.119.3 Class Variables . . . . .	333
2.120 Class XErrorEvent . . . . .	334
2.120.1 Methods . . . . .	334
2.120.2 Properties . . . . .	334
2.120.3 Class Variables . . . . .	335
2.121 Class XAnyEvent . . . . .	335
2.121.1 Methods . . . . .	335
2.121.2 Properties . . . . .	336
2.121.3 Class Variables . . . . .	336
2.122 Class XGenericEvent . . . . .	337
2.122.1 Methods . . . . .	337
2.122.2 Properties . . . . .	337
2.122.3 Class Variables . . . . .	337
2.123 Class XGenericEventCookie . . . . .	338
2.123.1 Methods . . . . .	338

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2.123.2 Properties . . . . .	338
2.123.3 Class Variables . . . . .	339
2.124 Class _XEvent . . . . .	339
2.124.1 Methods . . . . .	339
2.124.2 Properties . . . . .	340
2.124.3 Class Variables . . . . .	340
<b>Index</b>	<b>343</b>

# 1 Module `xformslib.library`

`xforms-python` Python wrapper for XForms (X11) GUI C toolkit library using `ctypes`

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See CREDITS file to read acknowledgements and thanks to XForms, `ctypes` and other developers.

**Version:** 0.3.1.1.0.93pre1

## 1.1 Functions

**`get_xforms_version()`**

Return version string of installed XForms library/header

**`verify_version_compatibility()`**

verify compatibility between `xforms-python` version and XForms version

**`warn_deprecated_function(altfunc='')`**

Warns the user when a function is deprecated and should not be used anymore. If a param is provided it may advise the user about an alternative function.

**`func_do_nothing_placeholder(cfunction)`**

Print a warning if called function doesn't exist

**`keep_cfunc_refs(*cfunclist)`**

Adds a reference for `_cfunc_refs` list of values

**`keep_elem_refs(*elemlist)`**

Adds a reference for `_elem_refs` list of values

**`load_so_libforms()`**

Load `libforms.so` else raise an error -> library instance

**`load_so_libflimage()`**

Load `libflimage.so` else raise an error -> library instance

**load\_so\_libformsgl()**

Load libformsGL.so else raise an error -&gt; library instance

**load\_so\_libx11()**

Load libX11.so.6 else raise an error -&gt; library instance

**cfuncproto**(*library, cfuncname, retval, arglist, doc=''*)

Prototype for C function to be wrapped in python

**convert\_to\_string**(*paramname*)

Converts paramname to python str and to ctypes c.char\_p

**convert\_to\_int**(*paramname*)

Converts paramname to python int and to ctypes c.int

**convert\_to\_FL\_Coord**(*paramname*)

Converts paramname to python int and to ctypes c.int

**convert\_to\_uint**(*paramname*)

Converts paramname to python int and to ctypes c.uint

**convert\_to\_long**(*paramname*)

Converts paramname to python long and to ctypes c.long

**convert\_to\_ulong**(*paramname*)

Converts paramname to python long and to ctypes c.ulong

**convert\_to\_FL\_COLOR**(*paramname*)

Converts paramname to python long and to ctypes c.ulong

**convert\_to\_Window**(*paramname*)

Converts paramname to python long and to ctypes c.ulong

**convert\_to\_Pixmap**(*paramname*)

Converts paramname to python long and to ctypes c.ulong

**convert\_to\_double**(*paramname*)

Converts paramname to python float and to ctypes c.double

**convert\_to\_float**(*paramname*)Converts *paramname* to python float and to ctypes `c_float`**convert\_to\_ubyte**(*paramname*)Converts *paramname* to ctypes `c_ubyte`**make\_int\_and\_pointer**()Makes a ctypes `c_int` and its pointer, and returns both**make\_FL\_Coord\_and\_pointer**()Makes a ctypes `c_int` and its pointer, and returns both**make\_uint\_and\_pointer**()Makes a ctypes `c_uint` and its pointer, and returns both**make\_long\_and\_pointer**()Makes a ctypes `c_long` and its pointer, and returns both**make\_ulong\_and\_pointer**()Makes a ctypes `c_ulong` and its pointer, and returns both**make\_Pixmap\_and\_pointer**()Makes a ctypes `c_uint` and its pointer, and returns both**make\_float\_and\_pointer**()Makes a ctypes `c_float` and its pointer, and returns both**make\_double\_and\_pointer**()Makes a ctypes `c_double` and its pointer, and returns both**check\_admitted\_listvalues**(*paramname*, *\*valueslist*)Check if *paramname* value is valid in accordance to a list of admissible values.**FL\_IS\_UPBOX**(*t*)**FL\_IS\_DOWNBOX**(*t*)**FL\_TO\_DOWNBOX**(*t*)**special\_style**(*a*)

**fl\_object\_returned**(*pObject*)

**fl\_add\_io\_callback**(*fd, mask, py\_callback, data*)

Registers an input callback function when input is available from *fd*.

**Parameters**

**fd:** a valid file descriptor in a unix system  
**mask:** under what circumstance the input callback should be invoked (FL\_READ, FL\_WRITE or FL\_EXCEPT)  
**py\_callback:** python function to be invoked under mask condition  
**data:** argument to be passed to function

**fl\_remove\_io\_callback**(*fd, mask, py\_cb*)

Removes the registered callback function when input is available from *fd*.

**Parameters**

**fd:** a valid file descriptor in a unix system  
**mask:** under what circumstance the input callback should be removed (FL\_READ, FL\_WRITE, FL\_EXCEPT)  
**py\_cb:** python function to be removed under mask condition

**fl\_add\_signal\_callback**(*sglnum, py\_cb, data*)

Handles the receipt of a signal by registering a callback function that gets called when a signal is caught (only 1 function per signal)

**Parameters**

**sglnum:** signal number (e.g. SIGALRM, SIGINT, etc.)  
**py\_cb:** python function to be invoked after catching the signal  
**data:** argument to be passed to function

**fl\_remove\_signal\_callback**(*sglnum*)

Removes a previously registered callback function related to a signal.

**Parameters**

**sglnum:** signal number (e.g. SIGALRM, SIGINT, etc.)

**fl\_signal\_caught**(*sglnum*)

Informs the main loop of the delivery of the signal *sglnum*, the signal is received by the application program

**Parameters**

**sglnum:** signal number (e.g. SIGALRM, SIGINT, etc.)

**fl\_app\_signal\_direct(*y*)**

Changes the default behavior of the built-in signal facilities (to be called with a true value for flag prior to any use of fl\_add\_signal\_callback)

**Parameters**

*y*: flag (0|1)

**fl\_add\_timeout(*msec*, *py\_callback*, *data*)**

Adds a timeout callback after a specified elapsed time.

**Parameters**

*msec*: time elapsed in milliseconds  
*py\_callback*: python function to be invoked after time  
*data*: argument to be passed to function

**Return Value**

timer ID

**fl\_remove\_timeout(*idnum*)**

Removes a timeout callback function (created with fl\_add\_timeout).

**Parameters**

*idnum*: ID timeout number

**fl\_library\_version()**

Returns consolidated version informations.

Returns: <version\_rev> : computed as 1000 \* version + revision <ver> : version (e.g. 1 in 1.x.yy) <rev> : revision (e.g. 0 in x.0.yy)

**Return Value**

version\_rev ID, ver, rev

**fl\_bgn\_form(*formtype*, *w*, *h*)**

Starts the definition of a form call.

**Parameters**

*formtype*: type of box that is used as a background (e.g. FL\_DOWN\_BOX, FL\_BORDER\_BOX, FL\_SHADOW\_BOX, etc.)  
*w*: width of the new form  
*h*: height of the new form

**Return Value**

pForm

**fl\_end\_form()**

Ends the definition for a form call, after all required objects have been added to a form call.



**fl\_do\_forms()**

Starts the main loop of the program and returns only when the state of an object changes that has no callback bound to it.

**Return Value**

pObject

**fl\_check\_forms()**

Returns None immediately unless the state of one of the object (without a callback bound to it) changed.

**Return Value**

pObject

**fl\_do\_only\_forms()**

Starts the main loop of the program and returns only when the state of an object changes that has no callback bound to it. It does not handle user events generated by application windows opened via fl\_winopen() or similar routines.

**Return Value**

pObject

**fl\_check\_only\_forms()**

Returns None immediately unless the state of one of the object (without a callback bound to it) changed. It does not handle user events generated by application windows opened via fl\_winopen() or similar routines.

**Return Value**

pObject

**fl\_freeze\_form(pForm)**

It does not temporarily redraw a form while changes are being made, so all changes made are instead buffered internally.

**Parameters**

pForm: pointer to form not to be re-drawn temporarily

**fl\_set\_focus\_object(pForm, pObject)**

Sets the input focus in form to object pObject.

**Parameters**

pForm: pointer to form whose object has to be focused

pObject: pointer to object to be focused

**fl\_set\_object\_focus**(*pForm*, *pObject*)

Sets the input focus in form to object *pObject*.

**Parameters**

*pForm*: pointer to form whose object has to be focused  
*pObject*: pointer to object to be focused

**fl\_get\_focus\_object**(*pForm*)

Obtains the object that has the focus on a form.

**Parameters**

*pForm*: pointer to form that has a focused object

**Return Value**

*pObject*

**fl\_reset\_focus\_object**(*pObject*)

Override the FL\_UNFOCUS event.

**Parameters**

*pObject*: pointer to object towards applying event

**fl\_set\_form\_atclose**(*pForm*, *py\_fmclose*, *data*)

Calls a callback function before closing the form.

**Parameters**

*pForm*: pointer to form that receives the message  
*py\_fmclose*: python callback function to be called  
*data*: argument to be passed to function

**Return Value**

FormAtclose func

**fl\_set\_atclose**(*py\_fmclose*, *data*)

Calls a callback function before terminating the application.

**Parameters**

*py\_fmclose*: callback function to be called  
*data*: argument to be passed to function

**Return Value**

FormAtclose func

---

**fl\_set\_form\_atactivate**(*pForm*, *py\_cb*, *data*)

Register a callback that is called when activation status of a forms is enabled,

**Parameters**

**pForm:** activated form  
**py\_cb:** python callback function called  
**data:** argument to be passed to function

**Return Value**

FormAtactivate func

---

**fl\_set\_form\_atdeactivate**(*pForm*, *py\_cb*, *data*)

Register a callback that is called when activation status of a forms is disabled.

**Parameters**

**pForm:** pointer to de-activated form  
**py\_cb:** python callback function called  
**data:** argument to be passed to function

**Return Value**

FormAtdeactivate func

---

**fl\_unfreeze\_form**(*pForm*)

All changes made in the meantime in a form are drawn at once, reverting previous freeze.

**Parameters**

**pForm:** pointer to form to be re-drawn after freezing

---

**fl\_deactivate\_form**(*pForm*)

Deactivates form temporarily, without hiding it, but not allowing the user to interact with elements contained in form (buttons, etc.).

**Parameters**

**pForm:** pointer to form to be de-activated

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**fl\_activate\_form**(*pForm*)

Re-activates form, allowing the user to interact again with elements contained in form (buttons, etc.).

**Parameters**

**pForm:** pointer to form to be re-activated

---

**fl\_deactivate\_all\_forms**()

De-activates all current forms.

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**fl\_activate\_all\_forms**()

Re-activates all current forms.

**fl\_freeze\_all\_forms()**

It does not temporarily redraw all current forms while changes are being made, so all changes made are instead buffered internally.

**fl\_unfreeze\_all\_forms()**

All changes made in the meantime in all current forms are drawn at once, reverting previous freeze.

**fl\_scale\_form(*pForm*, *xsc*, *yse*)**

Scales a form and the objects on it in size and position, indicating a scaling factor in x- and y-direction with respect to the current size.

**Parameters**

**pForm:** pointer to form to be scaled  
**xsc:** scaling factor in horizontal direction  
**yse:** scaling factor in vertical direction

**fl\_set\_form\_position(*pForm*, *x*, *y*)**

Sets position of form, when placing a form on the screen with FL\_PLACE\_GEOMETRY as place argument.

**Parameters**

**pForm:** pointer to form whose position is to be set  
**x:** horizontal position  
**y:** vertical position

**fl\_set\_form\_title(*pForm*, *name*)**

Changes the form title (and the icon name) after it is shown.

**Parameters**

**pForm:** pointer to form whose title has to be changed  
**name:** new name for the form

**fl\_set\_app\_mainform(*pForm*)****fl\_get\_app\_mainform()****Return Value**

pForm

**fl\_set\_app\_nomainform(*flag*)**

---

**fl\_set\_form\_callback**(*pForm*, *py\_callback*, *data*)

Sets the callback routine for the form.

**Parameters**

**pForm:** pointer to form  
**py\_callback:** python callback to be set  
**data:** argument to be passed to function

---

**fl\_set\_form\_call\_back**(*pForm*, *py\_callback*, *data*)

Sets the callback routine for the form.

**Parameters**

**pForm:** pointer to form  
**py\_callback:** python callback to be set  
**data:** argument to be passed to function

---

**fl\_set\_form\_size**(*pForm*, *w*, *h*)

Sets the size of form.

**Parameters**

**pForm:** pointer to form  
**w:** width of form  
**h:** height of form

---

**fl\_set\_form\_hotspot**(*pForm*, *x*, *y*)

Sets the position of the hotspot of a form.

**Parameters**

**pForm:** pointer to form  
**x:** horizontal position  
**y:** vertical position

---

**fl\_set\_form\_hotobject**(*pForm*, *pObject*)**Parameters**

**pForm:** pointer to form  
**pObject:** pointer to object

---

**fl\_set\_form\_minsize**(*pForm*, *w*, *h*)**Parameters**

**pForm:** pointer to form  
**w:** width of form  
**h:** height of form

---

**fl\_set\_form\_maxsize**(*pForm*, *w*, *h*)
**Parameters**

**pForm:** pointer to form  
**w:** width of form  
**h:** height of form

---

**fl\_set\_form\_event\_cmask**(*pForm*, *cmask*)
**Parameters**

**pForm:** pointer to form  
**cmask:** compress mask for form

---

**fl\_get\_form\_event\_cmask**(*pForm*)

@param *pForm* : pointer to form

**Returns:**

compress mask for form

**Return Value**

cmask ID

---

**fl\_set\_form\_geometry**(*pForm*, *x*, *y*, *w*, *h*)
**Parameters**

**pForm:** pointer to form  
**x:** horizontal position  
**y:** vertical position  
**w:** width of form  
**h:** height of form

---

**fl\_set\_initial\_placement**(*pForm*, *x*, *y*, *w*, *h*)
**Parameters**

**pForm:** pointer to form  
**x:** horizontal position  
**y:** vertical position  
**w:** width of form  
**h:** height of form

**fl\_show\_form**(*pForm*, *place*, *border*, *name*)

Shows the form.

**Parameters**

**pForm:** pointer to form  
**place:** where form has to be placed  
**border:** type of window manager decoration  
**name:** title of form

**Return Value**

window

**fl\_hide\_form**(*pForm*)

Hides the form.

**Parameters**

**pForm:** pointer to form

**fl\_free\_form**(*pForm*)

Frees the memory used by a form together with all its objects.

**Parameters**

**pForm:** pointer to form

**fl\_redraw\_form**(*pForm*)

Draws a form.

**Parameters**

**pForm:** pointer to form

**fl\_set\_form\_dbldbuffer**(*pForm*, *y*)**Parameters**

**pForm:** pointer to form  
**y:** flag (0|1) for disabling/enabling doublebuffer

**fl\_prepare\_form\_window**(*pForm*, *place*, *border*, *name*)

Displays a particular form, returns its window handle.

**Parameters**

**pForm:** pointer to form  
**place:** where has to be placed  
**border:** window manager decoration  
**name:** title of form

**Return Value**

window ID

**fl\_show\_form\_window**(*pForm*)**Parameters**

**pForm:** pointer to form

**Return Value**

window ID

**fl\_adjust\_form\_size**(*pForm*)

Similar to `fit_object_label`, but will do it for all objects and has a smaller threshold. Mainly intended for compensation for font size variations.

**Parameters**

**pForm:** pointer to form

**Return Value**

`max_factor` id

**fl\_form\_is\_visible**(*pForm*)

Returns if form is visible.

**Parameters**

**pForm:** pointer to form

**Return Value**

state id

**fl\_form\_is\_iconified**(*pForm*)

Returns if a forms window is in iconified state.

**Parameters**

**pForm:** pointer to form

**Return Value**

state id

**fl\_register\_raw\_callback**(*pForm, mask, py\_rcb*)

Register pre-emptive event handlers.

**Parameters**

**pForm:** pointer to form

**mask:** key/button event mask (press/release/motion etc..)

**py\_rcb:** python callback function

**Return Value**

`raw_callback` func



**fl\_register\_call\_back**(*pForm*, *mask*, *py\_rcb*)

Register pre-emptive event handlers.

**Parameters**

**pForm:** pointer to form  
**mask:** key/button event mask (press/release/motion etc..)  
**py\_rcb:** python callback function

**Return Value**

raw\_callback func

**fl\_bgn\_group**()

Starts a group definition.

**Return Value**

pObject

**fl\_end\_group**()

Ends a group definition.

**fl\_addto\_group**(*pGroup*)

Reopens a group to allow addition of further objects.

**Parameters**

**pGroup:** pointer to group object to reopen

**Return Value**

pForm

**fl\_set\_object\_boxtype**(*pObject*, *boxtype*)

Sets the boxtype of the object.

**Parameters**

**pObject:** pointer to object  
**boxtype:** type of the box

**fl\_set\_object\_bw**(*pObject*, *bw*)

Sets the borderwidth of an object.

**Parameters**

**pObject:** pointer to object  
**bw:** borderwidth of object

**fl\_get\_object\_bw(*pObject*)**

Returns the borderwidth of an object.

**Parameters**

**pObject:** pointer to object

**Return Value**

bw

**fl\_set\_object\_resize(*pObject*, *what*)**

Sets the resize property of an object.

**Parameters**

**pObject:** pointer to object

**what:** resize property

**fl\_get\_object\_resize(*pObject*)**

Returns the resize property of an object.

**Parameters**

**pObject:** pointer to object

**Return Value**

what

**fl\_set\_object\_gravity(*pObject*, *nw*, *se*)**

Sets the gravity properties of an object.

**Parameters**

**pObject:** pointer to object

**nw:** gravity property for NorthWest

**se:** gravity property for SouthEast

**fl\_get\_object\_gravity(*pObject*)**

Returns the gravity properties of an object.

**Parameters**

**pObject:** pointer to object

**Return Value**

nw, se

**fl\_set\_object\_lsize(*pObject*, *lsize*)**

Sets the label size of an object.

**Parameters**

**pObject:** pointer to object

**lsize:** label size

---

**fl\_set\_object\_lstyle**(*pObject*, *lstyle*)

Sets the label style of an object.

**Parameters**

**pObject:** pointer to object

**lstyle:** label style

---

**fl\_set\_object\_lcol**(*pObject*, *lcolr*)

Sets the label color of an object.

**Parameters**

**pObject:** pointer to object

**lcolr:** label color

---

**fl\_set\_object\_return**(*pObject*, *when*)

Function for setting the conditions under which an object gets returned (or its callback invoked). If the object has to do additional work on setting the condition (e.g. it has child objects that also need to be set) it has to set up its own function that then will be called in the end. This function should only be called once an object has been created completely!

**Parameters**

**pObject:** pointer to object

**when:** return type

**Return Value**

ID num

---

**fl\_notify\_object**(*pObject*, *cause*)**Parameters**

**pObject:** pointer to object

**cause:** ?

---

**fl\_set\_object\_lalign**(*pObject*, *align*)

Sets alignment of an object.

**Parameters**

**pObject:** pointer to object

**align:** alignment of object

---

**fl\_set\_object\_shortcut**(*pObject*, *sstr*, *showit*)**Parameters**

**pObject:** pointer to object

**sstr:** shortcut string

**showit:** flag (0|1)

---

**fl\_set\_object\_shortcutkey**(*pObject*, *keysym*)**Parameters**

**pObject:** pointer to object  
**keysym:** ?

---

**fl\_set\_object\_dblbuffer**(*pObject*, *y*)**Parameters**

**pObject:** pointer to object  
**y:** flag (0|1) to disable/enable double buffer

---

**fl\_set\_object\_color**(*pObject*, *fgcolr*, *bgcolr*)

Sets the color of an object.

**Parameters**

**pObject:** pointer to object  
**fgcolr:** foreground color  
**bgcolr:** background color

---

**fl\_set\_object\_label**(*pObject*, *label*)

Sets the label of an object.

**Parameters**

**pObject:** pointer to object  
**label:** label of object

---

**fl\_set\_object\_helper**(*pObject*, *tip*)

Sets the tooltip of an object.

**Parameters**

**pObject:** pointer to object  
**tip:** tooltip text for object

---

**fl\_set\_object\_position**(*pObject*, *x*, *y*)

Sets position of an object.

**Parameters**

**pObject:** pointer of object  
**x:** horizontal position  
**y:** vertical position

**fl\_get\_object\_size(*pObject*)**

Returns the size of an object.

**Parameters**

pObject: pointer to object

**Return Value**

width, height

**fl\_set\_object\_size(*pObject, w, h*)**

Sets the size of an object.

**Parameters**

pObject: pointer to object

w: width of object

h: height of object

**fl\_set\_object\_automatic(*pObject, flag*)****Parameters**

pObject: pointer to object

flag: flag (0|1)

**fl\_draw\_object\_label(*pObject*)****Parameters**

pObject: pointer to object

**fl\_draw\_object\_label\_outside(*pObject*)****Parameters**

pObject: pointer to object

**fl\_get\_object\_component(*pObjectComposite, objclass, compontype, numb*)****Return Value**

pObject

**fl\_for\_all\_objects(*pForm, py\_cb, v*)****Parameters**

pForm: pointer to form

**fl\_draw\_object\_outside\_label(*pObject*)****Parameters**

pObject: pointer to object

**fl\_set\_object\_dbclick(*pObject, timeout*)**

<b>fl_set_object_geometry</b> ( <i>pObject</i> , <i>x</i> , <i>y</i> , <i>w</i> , <i>h</i> )
<b>Parameters</b> pObject: pointer to object

<b>fl_move_object</b> ( <i>pObject</i> , <i>dx</i> , <i>dy</i> )
<b>Parameters</b> pObject: pointer to object

<b>fl_set_object_lcolor</b> ( <i>pObject</i> , <i>lcolor</i> )
Sets the label color of an object.
<b>Parameters</b> pObject: pointer to object lcolor: label color

<b>fl_fit_object_label</b> ( <i>pObject</i> , <i>xmargin</i> , <i>ymargin</i> )
<b>Parameters</b> pObject: pointer to object

<b>fl_get_object_geometry</b> ( <i>pObject</i> )
<b>Parameters</b> pObject: pointer to object
<b>Return Value</b> x_horz-pos, y_vert-pos, width, height

<b>fl_get_object_position</b> ( <i>pObject</i> )
<b>Parameters</b> pObject: pointer to object
<b>Return Value</b> x, y

<b>fl_get_object_label</b> ( <i>pObject</i> )
<b>Parameters</b> pObject: pointer to object
<b>Return Value</b> labelname_string

<b>fl_get_object_bbox</b> ( <i>pObject</i> )
<b>Parameters</b> pObject: pointer to object
<b>Return Value</b> x, y, w, h

---

**fl\_compute\_object\_geometry**(*pObject*)
**Parameters**

`pObject`: pointer to object

**Return Value**

`x`, `y`, `w`, `h`

---



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**fl\_call\_object\_callback**(*pObject*)
**Parameters**

`pObject`: pointer to object

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**fl\_set\_object\_prehandler**(*pObject*, *py\_phandler*)
**Parameters**

`pObject`: pointer to object

`py_phandler`: python callback function

**Return Value**

`pHandlerPtr`

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**fl\_set\_object\_posthandler**(*pObject*, *py\_post*)
**Parameters**

`pObject`: pointer to object

**Return Value**

`pHandlerPtr`

---



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**fl\_set\_object\_callback**(*pObject*, *py\_callback*, *argum*)

Calls a callback function bound to an object, if a condition is met.

**Parameters**

`pObject`: pointer to object

`py_callback`: a python function with no () and no args to be used as callback;  
the calleee is e.g.: `somename(obj, data)`

`argum`: argument being passed to function

**Return Value**

`c_callback func`

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**fl\_set\_object\_align**(*pObject*, *align*)

Sets alignment of an object.

**Parameters**

`pObject`: pointer to object

`align`: alignment of object

---

<b>fl_set_call_back</b> ( <i>pObject</i> , <i>py_callback</i> , <i>argum</i> ) <hr/> Calls a callback function bound to an object, if a condition is met. <b>Parameters</b> <p><i>pObject</i>: pointer to object</p> <p><i>py_callback</i>: a python function with no () and no args to be used as callback; the calleee is e.g.: somename(obj, data)</p> <p><i>argum</i>: argument being passed to function</p> <b>Return Value</b> c_callback func
<b>fl_redraw_object</b> ( <i>pObject</i> ) <hr/> <b>Parameters</b> <p><i>pObject</i>: pointer to object</p>
<b>fl_scale_object</b> ( <i>pObject</i> , <i>xs</i> , <i>ys</i> ) <hr/> Scales (shrink/enlarge) an object <b>Parameters</b> <p><i>pObject</i>: pointer to object</p> <p><i>xs</i>: new horizionthal factor</p> <p><i>ys</i>: new vertical factor</p>
<b>fl_show_object</b> ( <i>pObject</i> ) <hr/> <b>Parameters</b> <p><i>pObject</i>: pointer to object</p>
<b>fl_hide_object</b> ( <i>pObject</i> ) <hr/> <b>Parameters</b> <p><i>pObject</i>: pointer to object</p>
<b>fl_free_object</b> ( <i>pObject</i> ) <hr/> <b>Parameters</b> <p><i>pObject</i>: pointer to object</p>
<b>fl_delete_object</b> ( <i>pObject</i> ) <hr/> <b>Parameters</b> <p><i>pObject</i>: pointer to object</p>
<b>fl_get_object_return_state</b> ( <i>pObject</i> ) <hr/> <b>Parameters</b> <p><i>pObject</i>: pointer to object</p> <b>Return Value</b> ID num



**fl\_trigger\_object**(*pObject*)

**Parameters**

pObject: pointer to object

**fl\_activate\_object**(*pObject*)

**Parameters**

pObject: pointer to object

**fl\_deactivate\_object**(*pObject*)

**Parameters**

pObject: pointer to object

**fl\_enumerate\_fonts**(*py\_output, shortform*)

**Return Value**

ID num

**fl\_set\_font\_name**(*n, name*)

**Return Value**

ID num

**fl\_set\_font**(*numb, size*)

**fl\_get\_char\_height**(*style, size*)

**Return Value**

height num., asc, desc

**fl\_get\_char\_width**(*style, size*)

**Return Value**

width num

**fl\_get\_string\_height**(*style, size, strng, strglen*)

**Return Value**

height num., asc, desc

**fl\_get\_string\_width**(*style, size, s, strglen*)

**Return Value**

width num

**fl\_get\_string\_widthTAB**(*style, size, s, strglen*)

**Return Value**

width num

**fl\_get\_string\_dimension**(*fontstyle, fontsize, s, strlen*)

**Return Value**

width, height

**fl\_get\_string\_size**(*fontstyle, fontsize, s, strlen*)

**Return Value**

width, height

**fl\_get\_align\_xy**(*align, x, y, w, h, xsize, ysize, xoff, yoff*)

**Return Value**

xx, yy

**fl\_drw\_text**(*align, x, y, w, h, color, style, size, txtstr*)

**fl\_drw\_text\_beside**(*align, x, y, w, h, color, style, size, txtstr*)

**fl\_drw\_text\_cursor**(*align, x, y, w, h, color, style, size, txtstr, cc, pos*)

**fl\_drw\_box**(*style, x, y, w, h, color, bwIn*)

**fl\_add\_symbol**(*name, py\_drawit, scalable*)

**Return Value**

num

**fl\_draw\_symbol**(*label, x, y, w, h, color*)

**Return Value**

num

**fl\_mapcolor**(*color, r, g, b*)

**Return Value**

num

**fl\_mapcolorname**(*color, name*)

**Return Value**

num

**fl\_mapcolor\_name**(*color, name*)

**Return Value**

num

**fl\_free\_colors**(*c, n*)

**fl\_free\_pixels**(*pix, n*)

```
fl_set_color_leak(y)
```

```
fl_getmcolor(colr)
```

**Return Value**

num., r, g, b

```
fl_get_pixel(colr)
```

**Return Value**

pixel num

```
fl_get_fcolor(colr)
```

**Return Value**

pixel num

```
fl_get_icm_color(colr)
```

**Return Value**

r, g, b

```
fl_set_icm_color(colr, r, g, b)
```

```
fl_color(colr)
```

```
fl_bk_color(colr)
```

```
fl_textcolor(colr)
```

```
fl_bk_textcolor(colr)
```

```
fl_set_gamma(r, g, b)
```

**Parameters**

**r**: value for red

**g**: value for green

**b**: value for blue

```
fl_show_errors(y)
```

```
FL_max(a, b)
```

```
FL_min(a, b)
```

```
FL_abs(a)
```

**FL\_nint**(*a*)

**FL\_clamp**(*a*, *amin*, *amax*)

**FL\_crnd**(*a*)

**fl\_add\_object**(*pForm*, *pObject*)

**Parameters**

**pForm:** pointer to form  
**pObject:** pointer to object

**fl\_addto\_form**(*pForm*)

**Parameters**

**pForm:** pointer to form

**Return Value**

**pForm**

**fl\_make\_object**(*objclass*, *objtype*, *x*, *y*, *w*, *h*, *label*, *py\_handle*)

**Return Value**

**pObject**

**fl\_add\_child**(*pObject1*, *pObject2*)

**Parameters**

**pObject1:** pointer to father object  
**pObject2:** pointer to child object

**fl\_set\_coordunit**(*u*)

**Parameters**

**u:** ?

**fl\_set\_border\_width**(*bw*)

**Parameters**

**bw:** width of border

**fl\_set\_scrollbar\_type**(*sbtype*)

**Parameters**

**sbtype:** type of scrollbar

**fl\_set\_thinscrollbar**(*t*)

**fl\_flip\_yorigin**()

**fl\_get\_coordunit()****Return Value**

coord\_unit num

**fl\_get\_border\_width()****Return Value**

width num

**fl\_ringbell(*percent*)****fl\_gettime()****Return Value**

sec, usec

**fl\_now()****Return Value**

string

**fl\_whoami()****Return Value**

string

**fl\_mouse\_button()****Return Value**

num

**fl\_strdup(*strng*)****Return Value**

string

**fl\_set\_err\_logfp(*pFile*)****fl\_set\_error\_handler(*py\_userfunc*)****fl\_get\_cmdline\_args(*p1*)****Return Value**

string

**fl\_set\_error\_logfp(*pFile*)****fl\_mousebutton()****Return Value**

num

`fl_free(p1)`

`fl_msleep(msec)`

**Parameters**

`msec`: milliseconds to sleep

**Return Value**

num

`FL_is_gray(v)`

`FL_is_rgb(v)`

`fl_get_vclass()`

`fl_get_form_vclass(a)`

`fl_get_gc()`

`fl_mode_capable(mode, warn)`

**Parameters**

`mode`: ?

`warn`: ?

**Return Value**

mode num

`fl_default_win()`

`fl_default_window()`

`fl_rectangle(fill, x, y, w, h, colr)`

`fl_rectbound(x, y, w, h, colr)`

`fl_rectf(x, y, w, h, colr)`

`fl_rect(x, y, w, h, colr)`

`fl_roundrectangle(fill, x, y, w, h, colr)`

`fl_roundrectf(x, y, w, h, colr)`

`fl_roundrect(x, y, w, h, colr)`

```
fl_polygon(fill, pPoint, n, colr)
```

```
fl_polyf(pPoint, n, colr)
```

```
fl_polyl(pPoint, n, colr)
```

```
fl_polybound(pPoint, n, colr)
```

```
fl_lines(pPoint, n, colr)
```

```
fl_line(xi, yi, xf, yf, colr)
```

```
fl_point(x, y, colr)
```

```
fl_points(pPoint, np, colr)
```

```
fl_simple_line(xi, yi, xf, yf, colr)
```

```
fl_dashedlinestyle(dash, ndash)
```

```
fl_update_display(block)
```

```
fl_diagline(x, y, w, h, colr)
```

```
fl_linewidth(n)
```

```
fl_linestyle(n)
```

```
fl_drawmode(request)
```

```
fl_get_linewidth()
```

**Return Value**  
width num

```
fl_get_linestyle()
```

**Return Value**  
style num

```
fl_get_drawmode()
```

**Return Value**  
mode num

```
fl_set_linewidth(n)
```

```
fl_set_linestyle(n)
```

```
fl_set_drawmode(request)
```

```
fl_oval(fill, x, y, w, h, colr)
```

```
fl_ovalbound(x, y, w, h, colr)
```

```
fl_ovalarc(fill, x, y, w, h, t0, dt, colr)
```

```
fl_ovalf(x, y, w, h, colr)
```

```
fl_ovall(x, y, w, h, colr)
```

```
fl_oval_bound(x, y, w, h, colr)
```

```
fl_circf(x, y, r, colr)
```

```
fl_circ(x, y, r, colr)
```

```
fl_pieslice(fill, x, y, w, h, a1, a2, colr)
```

```
fl_arcf(x, y, r, a1, a2, colr)
```

```
fl_arc(x, y, r, a1, a2, colr)
```

```
fl_drw_frame(style, x, y, w, h, colr, bw)
```

```
fl_drw_checkbox(bortype, x, y, w, h, colr, bw)
```

```
fl_get_fontstruct(style, size)
```

**Return Value**

XFontStruct class

```
fl_get_font_struct(style, size)
```

**Return Value**

XFontStruct class

```
fl_get_fntstruct(style, size)
```

**Return Value**

XFontStruct class



**fl\_get\_mouse()****Return Value**

window, x, y, keymask

**fl\_set\_mouse(*mx, my*)****fl\_get\_win\_mouse(*win*)****Return Value**

window, x, y, keymask

**fl\_get\_form\_mouse(*pForm*)****Parameters**

pForm: pointer to form

**Return Value**

window, x, y, keymask

**fl\_win\_to\_form(*win*)****Return Value**

pForm

**fl\_set\_form\_icon(*pForm, icon, mask*)****Parameters**

pForm: pointer to form

**fl\_get\_decoration\_sizes(*pForm*)****Parameters**

pForm: pointer to form

**Return Value**

size num., top, right, bottom, left

**XRaiseWindow(*pDisplay, win*)****Return Value**

num

**fl\_raise\_form(*pForm*)****XLowerWindow(*pDisplay, win*)****Return Value**

num

**fl\_lower\_form(*pForm*)**

**XSetForeground**(*pDisplay*, *p2*, *p3*)**Return Value**

num

**fl\_set\_foreground**(*gc*, *c*)**XSetBackground**(*pDisplay*, *p2*, *p3*)**Return Value**

num

**fl\_set\_background**(*gc*, *c*)**fl\_wincreate**(*label*)**Return Value**

window

**fl\_winshow**(*win*)**Return Value**

window

**fl\_winopen**(*label*)**Return Value**

window

**fl\_winhide**(*win*)**fl\_winclose**(*win*)**fl\_winset**(*win*)**fl\_winreparent**(*win*, *newparent*)**Return Value**

num

**fl\_winfocus**(*win*)**fl\_winget**()**Return Value**

window

**fl\_iconify**(*win*)**Return Value**

num

**fl\_winresize**(*win*, *neww*, *newh*)

**Parameters**

**win:** window to resize  
**neww:** new width  
**newh:** new height

**fl\_winmove**(*win*, *dx*, *dy*)

**Parameters**

**win:** window to move to a new position  
**dx:** new horizontal position  
**dy:** new vertical position

**fl\_winreshape**(*win*, *dx*, *dy*, *w*, *h*)

**fl\_winicon**(*win*, *icon*, *mask*)

**fl\_winbackground**(*win*, *bkcolr*)

**fl\_winstepunit**(*win*, *dx*, *dy*)

**fl\_winisvalid**(*win*)

**Return Value**

num

**fl\_wintitle**(*win*, *title*)

**Parameters**

**win:** window  
**title:** title to be set

**fl\_winicontitle**(*win*, *title*)

**fl\_winposition**(*x*, *y*)

**fl\_pref\_winposition**(*x*, *y*)

**fl\_win\_background**(*win*, *bkcolr*)

**fl\_set\_winstepunit**(*win*, *dx*, *dy*)

**fl\_winminsize**(*win*, *w*, *h*)

**fl\_winmaxsize**(*win*, *w*, *h*)

`fl_winaspect(win, x, y)`

`fl_reset_winconstraints(win)`

`fl_winsize(w, h)`

`fl_initial_winsize(w, h)`

`fl_pref_winsize(w, h)`

`fl_initial_winstate(state)`

`fl_create_colormap(pXVisualInfo, nfill)`

**Return Value**  
colormap

`fl_winggeometry(x, y, w, h)`

`fl_pref_winggeometry(x, y, w, h)`

`fl_initial_winggeometry(x, y, w, h)`

`fl_noborder()`

`fl_transient()`

`fl_get_winsize(win)`

**Parameters**  
win: window

**Return Value**  
width, height

`fl_get_winorigin(win)`

**Return Value**  
x, y

`fl_get_winggeometry(win)`

**Parameters**  
win: window

**Return Value**  
x, y, w, h

**fl\_get\_win\_size**(*win*)

**Parameters**

win: window

**Return Value**

width, height

**fl\_get\_win\_origin**(*win*)

**Return Value**

x, y

**fl\_get\_win\_geometry**(*win*)

**Parameters**

win: window

**Return Value**

x, y, w, h

**fl\_initial\_winposition**(*x, y*)

**fl\_get\_display**()

**FL\_FormDisplay**(*pForm*)

**FL\_ObjectDisplay**(*object*)

**FL\_IS\_CANVAS**(*pObject*)

**FL\_ObjWin**(*pObject*)

**fl\_get\_real\_object\_window**(*pObject*)

**Parameters**

pObject: pointer to object

**Return Value**

window

**FL\_OBJECT\_WID**(*pObject*)

**fl\_XNextEvent**(*pXEvent*)

**Return Value**

event num

**fl\_XPeekEvent**(*pXEvent*)

**Return Value**

event num

**fl\_XEventsQueued**(*mode*)

**Return Value**  
event num

**fl\_XPutBackEvent**(*pXEvent*)

**fl\_last\_event**()

**Return Value**  
event

**fl\_set\_event\_callback**(*py\_callback, userdata*)

**Return Value**  
event callback

**fl\_set\_idle\_callback**(*py\_callback, userdata*)

**Return Value**  
event callback func

**fl\_addto\_selected\_xevent**(*win, mask*)

**Return Value**  
num

**fl\_remove\_selected\_xevent**(*win, mask*)

**Return Value**  
num

**fl\_add\_selected\_xevent**(*win, mask*)

**Return Value**  
num

**fl\_set\_idle\_delta**(*delta*)

**fl\_add\_event\_callback**(*win, ev, py\_wincb, userdata*)

**Return Value**  
event callback

**fl\_remove\_event\_callback**(*win, ev*)

**fl\_activate\_event\_callbacks**(*win*)

**Parameters**  
**win:** window whose events are referred to

**fl\_print\_xevent\_name**(*where*, *pXEvent*)

**Return Value**  
pXEvent

**metakey\_down**(*mask*)

**shiftkey\_down**(*mask*)

**controlkey\_down**(*mask*)

**button\_down**(*mask*)

**fl\_initialize**(*numargs*, *args*, *applclass*, *apploptions*, *numapplopts*)

**Return Value**  
pDisplay

**fl\_finish**()

**fl\_get\_resource**(*rname*, *cname*, *dtype*, *defval*, *val*, *size*)

**Return Value**  
string

**fl\_set\_resource**(*resstr*, *val*)

**Parameters**  
     *resstr*: resource name  
     *val*: new string value for resource

**fl\_get\_app\_resources**(*pResource*, *n*)

**fl\_set\_graphics\_mode**(*mode*, *doublebuf*)

**fl\_set\_visualID**(*idnum*)

**fl\_keysym\_pressed**(*keysym*)

**Return Value**  
num

**fl\_keypressed**(*keysym*)

**Return Value**  
num

**fl\_set\_defaults**(*mask*, *pIopt*)

`fl_set_tabstop(s)`

`fl_get_defaults(pIopt)`

`fl_get_visual_depth()`

**Return Value**

depth num

`fl_vclass_name(n)`

**Return Value**

name string

`fl_vclass_val(val)`

**Return Value**

num

`fl_set_ul_property(prop, thickness)`

`fl_set_clipping(x, y, w, h)`

`fl_set_gc_clipping(gc, x, y, w, h)`

`fl_unset_gc_clipping(gc)`

`fl_set_clippings(pRect, n)`

`fl_unset_clipping()`

`fl_set_text_clipping(x, y, w, h)`

`fl_unset_text_clipping()`

`FL_PCCLAMP(a)`

`fl_popup_add(win, text)`

**Return Value**

pPopup

`fl_popup_add_entries(pPopup, entrytxt)`

**Return Value**

pPopupEntry



**fl\_popup\_insert\_entries**(*pPopup*, *pPopupEntry*, *entrytxt*)

**Return Value**

*pPopupEntry*

**fl\_popup\_create**(*win*, *text*, *pPopupItem*)

**Return Value**

*pPopup*

**fl\_popup\_delete**(*pPopup*)

**Return Value**

*num*

**fl\_popup\_entry\_delete**(*pPopupEntry*)

**Return Value**

*num*

**fl\_popup\_do**(*pPopup*)

**Return Value**

*pPopupReturn*

**fl\_popup\_set\_position**(*pPopup*, *x*, *y*)

Sets position where the popup is supposed to appear (if never called the popup appears at the mouse position)

@param *pPopup* : pointer to *Popup*

@param *x* : horizontal position

@param *y* : vertical position

**fl\_popup\_get\_policy**(*pPopup*)

**Return Value**

*num*

**fl\_popup\_set\_policy**(*pPopup*, *policy*)

Sets policy of handling the popup (i.e. does it get closed when the user releases the mouse button outside an active entry or not?)

@param *pPopup* : pointer to *Popup*

@param *policy* : policy to be set

**Return Value**

*num*

**fl\_popup\_set\_callback**(*pPopup*, *py\_cb*)

**Return Value**

popup callback func

**fl\_popup\_get\_title\_font**(*pPopup*)

**Return Value**

style, size

**fl\_popup\_set\_title\_font**(*pPopup*, *style*, *size*)

**fl\_popup\_entry\_get\_font**(*pPopup*)

**Return Value**

style, size

**fl\_popup\_entry\_set\_font**(*pPopup*, *style*, *size*)

**Parameters**

**pPopup:** pointer to Popup  
**style:** style of the popup entry  
**size:** size of the popup entry

**fl\_popup\_get\_bw**(*pPopup*)

**Return Value**

borderwidth

**fl\_popup\_set\_bw**(*pPopup*, *bw*)

**Return Value**

num

**fl\_popup\_get\_color**(*pPopup*, *p2*)

**Return Value**

color

**fl\_popup\_set\_color**(*pPopup*, *p2*, *colr*)

**Return Value**

color

**fl\_popup\_set\_cursor**(*pPopup*, *p2*)

**fl\_popup\_get\_title**(*pPopup*)

**Return Value**

title string

**fl\_popup\_set\_title**(*pPopup*, *title*)

**Parameters**

*pPopup*: pointer to Popup  
*title*: title of the popup

**Return Value**

popup

**fl\_popup\_entry\_set\_callback**(*pPopupEntry*, *py\_puch*)

**Return Value**

popup\_callback

**fl\_popup\_entry\_set\_enter\_callback**(*pPopupEntry*, *py\_puch*)

**Return Value**

popup\_callback

**fl\_popup\_entry\_set\_leave\_callback**(*pPopupEntry*, *py\_puch*)

**Return Value**

popup\_callback

**fl\_popup\_entry\_get\_state**(*pPopupEntry*)

**Return Value**

state num

**fl\_popup\_entry\_set\_state**(*pPopupEntry*, *state*)

**Return Value**

state num

**fl\_popup\_entry\_clear\_state**(*pPopupEntry*, *state*)

**Return Value**

state num

**fl\_popup\_entry\_raise\_state**(*pPopupEntry*, *state*)

**Return Value**

state num

**fl\_popup\_entry\_toggle\_state**(*pPopupEntry*, *state*)

**Return Value**

num

**fl\_popup\_entry\_set\_text**(*p1*, *txtstr*)

**Return Value**

num

**fl\_popup\_entry\_set\_shortcut**(*pPopupEntry*, *textsc*)

**fl\_popup\_entry\_set\_value**(*pPopupEntry*, *p2*)

**Return Value**

num

**fl\_popup\_entry\_set\_user\_data**(*pPopupEntry*, *data*)

**Return Value**

??

**fl\_popup\_entry\_get\_by\_position**(*pPopup*, *numpos*)

**Return Value**

pPopupEntry

**fl\_popup\_entry\_get\_by\_value**(*pPopup*, *val*)

**Return Value**

pPopupEntry

**fl\_popup\_entry\_get\_by\_user\_data**(*pPopup*, *p2*)

**Return Value**

pPopupEntry

**fl\_popup\_entry\_get\_by\_text**(*pPopup*, *text*)

**Return Value**

pPopupEntry

**fl\_popup\_entry\_get\_by\_label**(*pPopup*, *label*)

**Return Value**

pPopupEntry

**fl\_popup\_entry\_get\_group**(*pPopupEntry*)

**Return Value**

num

**fl\_popup\_entry\_set\_group**(*pPopupEntry*, *num*)

**Return Value**

num

**fl\_popup\_entry\_get\_subpopup**(*pPopupEntry*)

**Return Value**

pPopup

**fl\_popup\_entry\_set\_subpopup**(*pPopupEntry*, *pPopup*)

**Return Value**

pPopup

**fl\_popup\_get\_size**(*pPopup*)

**Return Value**

size num., width, height

**fl\_popup\_get\_min\_width**(*pPopup*)

**Return Value**

width num

**fl\_popup\_set\_min\_width**(*pPopup*, *minwidth*)

**Return Value**

width num

**fl\_create\_bitmap**(*bitmaptype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_add\_bitmap**(*bitmaptype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_set\_bitmap\_data**(*pObject*, *w*, *h*, *data*)

**Parameters**

**pObject:** pointer to object  
**w:** width of bitmap  
**h:** height of bitmap  
**data:** bitmap data ubytes

**fl\_set\_bitmap\_file**(*pObject*, *fname*)

**Parameters**

**pObject:** pointer to object  
**fname:** name of bitmap file

**fl\_read\_bitmapfile**(*win*, *filename*, *w*, *h*, *hotx*, *hoty*)

**Return Value**

pixmap

**XCreateBitmapFromData**(*pDisplay*, *win*, *data*, *w*, *h*)

**Return Value**

pixmap

**fl\_create\_from\_bitmapdata**(*win*, *data*, *w*, *h*)

**fl\_set\_bitmap\_datafile**(*pObject*, *fname*)

**Parameters**

*pObject*: pointer to object  
*fname*: name of bitmap file

**fl\_create\_pixmap**(*pixmaptype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_add\_pixmap**(*pixmaptype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_set\_pixmap\_data**(*pObject*, *bits*)

**fl\_set\_pixmap\_file**(*pObject*, *fname*)

**Parameters**

*pObject*: pointer to object  
*fname*: name of the pixmap file

**fl\_set\_pixmap\_align**(*pObject*, *align*, *xmargin*, *ymargin*)

**fl\_set\_pixmap\_pixmap**(*pObject*, *idnum*, *mask*)

**fl\_set\_pixmap\_colorcloseness**(*red*, *green*, *blue*)

**fl\_free\_pixmap\_pixmap**(*pObject*)

**Parameters**

*pObject*: pointer to object

**fl\_get\_pixmap\_pixmap**(*pObject*)

**Parameters**

*pObject*: pointer to object

**Return Value**

pixmap, *pPixmap*, *pPixmap\_mask*

**fl\_read\_pixmapfile**(*win*, *filename*, *tran*)

**Return Value**

pixmap, *w*, *h*, *shapemask*, *hotx*, *hoty*

**fl\_create\_from\_pixmapdata**(*win, data, w, h, sm, hotx, hoty, tran*)

**Return Value**

pixmap

**XFreePixmap**(*pDisplay, pixmap*)

**Return Value**

num

**fl\_free\_pixmap**(*idnum*)

**fl\_create\_box**(*boxtype, x, y, w, h, label*)

**Return Value**

pObject

**fl\_add\_box**(*boxtype, x, y, w, h, label*)

**Return Value**

pObject

**fl\_create\_browser**(*browsertype, x, y, w, h, label*)

**Return Value**

pObject

**fl\_add\_browser**(*browsertype, x, y, w, h, label*)

**Return Value**

pObject

**fl\_clear\_browser**(*pObject*)

**fl\_add\_browser\_line**(*pObject, newtext*)

**fl\_addto\_browser**(*pObject, newtext*)

**fl\_addto\_browser\_chars**(*pObject, browsertext*)

**fl\_append\_browser**(*pObject, browsertext*)

**fl\_insert\_browser\_line**(*pObject, linenumb, newtext*)

**fl\_delete\_browser\_line**(*pObject, linenumb*)

**fl\_replace\_browser\_line**(*pObject, linenumb, newtext*)

**fl\_get\_browser\_line**(*pObject*, *linenumb*)

**Return Value**

line string

**fl\_load\_browser**(*pObject*, *filename*)

**Return Value**

num

**fl\_select\_browser\_line**(*pObject*, *line*)

**fl\_deselect\_browser\_line**(*pObject*, *line*)

**fl\_deselect\_browser**(*pObject*)

**Parameters**

*pObject*: pointer to object

**fl\_isselected\_browser\_line**(*pObject*, *line*)

**Return Value**

num

**fl\_get\_browser\_topline**(*pObject*)

**Return Value**

num

**fl\_get\_browser**(*pObject*)

**Return Value**

num

**fl\_get\_browser\_maxline**(*pObject*)

**Return Value**

line num

**fl\_get\_browser\_screenlines**(*pObject*)

**Return Value**

lines num

**fl\_set\_browser\_topline**(*pObject*, *topline*)

**fl\_set\_browser\_fontsize**(*pObject*, *size*)

**fl\_set\_browser\_fontstyle**(*pObject*, *style*)

**fl\_set\_browser\_specialkey**(*pObject*, *specialkey*)



`fl_set_browser_vscrollbar(pObject, on)`

`fl_set_browser_hscrollbar(pObject, on)`

`fl_set_browser_line_selectable(pObject, line, flag)`

`fl_get_browser_dimension(pObject)`

**Return Value**

x, y, w, h

`fl_set_browser_dbldclick_callback(pObject, py_cb, argum)`

`fl_get_browser_xoffset(pObject)`

**Return Value**

coord num

`fl_get_browser_rel_xoffset(pObject)`

**Return Value**

num

`fl_set_browser_xoffset(pObject, npixels)`

`fl_set_browser_rel_xoffset(pObject, val)`

`fl_get_browser_yoffset(pObject)`

**Return Value**

coord num

`fl_get_browser_rel_yoffset(pObject)`

**Return Value**

num

`fl_set_browser_yoffset(pObject, npixels)`

`fl_set_browser_rel_yoffset(pObject, val)`

`fl_set_browser_scrollbarsize(pObject, hh, vw)`

`fl_show_browser_line(pObject, j)`

`fl_set_default_browser_maxlinelength(n)`

**Return Value**

length num

`fl_set_browser_hscroll_callback(pObject, py_cb, data)`

`fl_set_browser_vscroll_callback(pObject, py_cb, data)`

`fl_get_browser_line_yoffset(pObject, line)`

**Return Value**

`num`

`fl_get_browser_hscroll_callback(pObject)`

**Return Value**

`callback`

`fl_get_browser_vscroll_callback(pObject)`

**Return Value**

`callback`

`fl_create_button(buttontype, x, y, w, h, label)`

**Return Value**

`pObject`

`fl_create_roundbutton(buttontype, x, y, w, h, label)`

**Return Value**

`pObject`

`fl_create_round3dbutton(buttontype, x, y, w, h, label)`

**Return Value**

`pObject`

`fl_create_lightbutton(buttontype, x, y, w, h, label)`

**Return Value**

`pObject`

`fl_create_checkbutton(buttontype, x, y, w, h, label)`

**Return Value**

`pObject`

`fl_create_bitmapbutton(buttontype, x, y, w, h, label)`

**Return Value**

`pObject`

`fl_create_pixmapbutton(buttontype, x, y, w, h, label)`

**Return Value**

`pObject`

**fl\_create\_scrollbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_create\_labelbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_roundbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_round3dbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_lightbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_checkbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_button**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_bitmapbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_scrollbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_labelbutton**(*buttontype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_set\_bitmapbutton\_file**(*pObject*, *fname*)

**Parameters**

*pObject*: pointer to object  
*fname*: name of bitmap file

**fl\_set\_bitmapbutton\_data**(*pObject*, *w*, *h*, *bits*)

**fl\_set\_bitmapbutton\_datafile**(*pObject*, *fname*)

**Parameters**

*pObject*: pointer to object  
*fname*: name of bitmap file

**fl\_add\_pixmapbutton**(*buttontype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_set\_pixmapbutton\_focus\_outline**(*pObject*, *yes*)

**fl\_set\_pixmapbutton\_data**(*pObject*, *bits*)

**fl\_set\_pixmapbutton\_file**(*pObject*, *fname*)

**Parameters**

*pObject*: pointer to object  
*fname*: name of the pixmap file

**fl\_set\_pixmapbutton\_pixmap**(*pObject*, *idnum*, *mask*)

**fl\_get\_pixmapbutton\_pixmap**(*pObject*)

**Parameters**

*pObject*: pointer to object

**Return Value**

*pixmap*, *pPixmap*, *pPixmap\_mask*

**fl\_set\_pixmapbutton\_align**(*pObject*, *align*, *xmargin*, *ymargin*)

**fl\_free\_pixmapbutton\_pixmap**(*pObject*)

**Parameters**

*pObject*: pointer to object

**fl\_set\_pixmapbutton\_datafile**(*pObject*, *fname*)**Parameters**

*pObject*: pointer to object  
*fname*: name of the pixmap file

**fl\_set\_pixmapbutton\_show\_focus**(*pObject*, *yes*)**fl\_set\_pixmapbutton\_focus\_data**(*pObject*, *bits*)**fl\_set\_pixmapbutton\_focus\_file**(*pObject*, *fname*)**fl\_set\_pixmapbutton\_focus\_pixmap**(*pObject*, *idnum*, *mask*)**fl\_get\_button**(*pObject*)**Return Value**

num

**fl\_set\_button**(*pObject*, *pushed*)**fl\_get\_button\_numb**(*pObject*)**Return Value**

num

**fl\_set\_button\_shortcut**(*pObject*, *sstr*, *showit*)**Parameters**

*pObject*: pointer to object  
*sstr*: shortcut string  
*showit*: flag (0|1)

**fl\_create\_generic\_button**(*objclass*, *buttontype*, *x*, *y*, *w*, *h*, *label*)**Return Value**

*pObject*

**fl\_add\_button\_class**(*bclass*, *py\_drawit*, *py\_cleanup*)**fl\_set\_button\_mouse\_buttons**(*pObject*, *buttons*)**fl\_get\_button\_mouse\_buttons**(*pObject*)**Return Value**

buttons

**fl\_create\_generic\_canvas**(*canvasclass, canvastype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_canvas**(*canvastype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_create\_canvas**(*canvastype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_set\_canvas\_decoration**(*pObject, boxtype*)

Sets the boxtype of the object.

**Parameters**

pObject: pointer to object  
boxtype: type of the box

**fl\_set\_canvas\_colormap**(*pObject, colormap*)

**fl\_set\_canvas\_visual**(*pObject, vi*)

**fl\_set\_canvas\_depth**(*pObject, depth*)

**fl\_set\_canvas\_attributes**(*pObject, mask, pXSetWindowAttributes*)

**fl\_add\_canvas\_handler**(*pObject, ev, py\_handler, udata*)

**Return Value**  
canvas handler

**fl\_get\_canvas\_id**(*pObject*)

**Return Value**  
window

**fl\_get\_canvas\_colormap**(*pObject*)

**Return Value**  
colormap

**fl\_get\_canvas\_depth**(*pObject*)

**Return Value**  
depth num

**fl\_remove\_canvas\_handler**(*pObject, ev, py\_handler*)

`fl_hide_canvas(pObject)`

`fl_share_canvas_colormap(pObject, colormap)`

`fl_clear_canvas(pObject)`

`fl_modify_canvas_prop(pObject, py_init, py_activate, py_cleanup)`

`fl_canvas_yield_to_shortcut(pObject, yes)`

`fl_create_glcanvas(cantype, x, y, w, h, label)`

**Return Value**

*pObject*

`fl_add_glcanvas(cantype, x, y, w, h, label)`

**Return Value**

*pObject*

`fl_set_glcanvas_defaults(config)`

`fl_set_glcanvas_defaults(config):`

`fl_get_glcanvas_defaults(config)`

`fl_get_glcanvas_defaults(config):`

`fl_set_glcanvas_attributes(pObject, config)`

`fl_get_glcanvas_attributes(pObject, attributes)`

`fl_set_glcanvas_direct(pObject, direct)`

`fl_activate_glcanvas(pObject)`

`fl_get_glcanvas_xvisualinfo(pObject)`

**Return Value**

xvisualinfo class

`fl_get_glcanvas_context(pObject)`

**Return Value**

glxcontext class

**fl\_glwincreate**(*config*, *pGLXContext*, *w*, *h*)

**Return Value**  
window

**fl\_glwinopen**(*config*, *pGLXContext*, *w*, *h*)

**Return Value**  
window

**fl\_create\_chart**(*charttype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**  
pObject

**fl\_add\_chart**(*charttype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**  
pObject

**fl\_clear\_chart**(*pObject*)

**fl\_add\_chart\_value**(*pObject*, *val*, *labeltext*, *col*)

**fl\_insert\_chart\_value**(*pObject*, *indx*, *val*, *labeltext*, *col*)

**fl\_replace\_chart\_value**(*pObject*, *indx*, *val*, *labeltext*, *col*)

**fl\_set\_chart\_bounds**(*pObject*, *minbound*, *maxbound*)

**fl\_get\_chart\_bounds**(*pObject*)

**Return Value**  
minbound, maxbound

**fl\_set\_chart\_maxnumb**(*pObject*, *maxnumb*)

**fl\_set\_chart\_autosize**(*pObject*, *autosize*)

**fl\_set\_chart\_lstyle**(*pObject*, *lstyle*)

**fl\_set\_chart\_lsize**(*pObject*, *lsize*)

**fl\_set\_chart\_lcolor**(*pObject*, *colr*)

**fl\_set\_chart\_baseline**(*pObject*, *yesno*)

**fl\_set\_chart\_lcol**(*pObject*, *colr*)



**fl\_create\_choice**(*choicetype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**  
*pObject*

**fl\_add\_choice**(*choicetype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**  
*pObject*

**fl\_clear\_choice**(*pObject*)

**fl\_addto\_choice**(*pObject*, *choicetext*)

**Return Value**  
*num*

**fl\_replace\_choice**(*pObject*, *numb*, *choicetext*)

**fl\_delete\_choice**(*pObject*, *numb*)

**fl\_set\_choice**(*pObject*, *choice*)

**fl\_set\_choice\_text**(*pObject*, *choicetext*)

**fl\_get\_choice**(*pObject*)

**Return Value**  
*num*

**fl\_get\_choice\_item\_text**(*pObject*, *n*)

**Return Value**  
text string

**fl\_get\_choice\_maxitems**(*pObject*)

**Return Value**  
items num

**fl\_get\_choice\_text**(*pObject*)

**Return Value**  
text string

**fl\_set\_choice\_fontsize**(*pObject*, *size*)

**fl\_set\_choice\_fontstyle**(*pObject*, *style*)

**fl\_set\_choice\_align**(*pObject*, *align*)

**fl\_get\_choice\_item\_mode**(*pObject*, *item*)

**Return Value**

mode num

**fl\_set\_choice\_item\_mode**(*pObject*, *item*, *mode*)

**fl\_set\_choice\_item\_shortcut**(*pObject*, *item*, *sstext*)

**fl\_set\_choice\_entries**(*pObject*, *pPopupEntry*)

**Return Value**

num

**fl\_set\_choice\_notitle**(*pObject*, *n*)

**Return Value**

num

**fl\_stuff\_clipboard**(*pObject*, *clipbdtype*, *data*, *size*, *py\_lose\_callback*)

**Return Value**

num

**fl\_request\_clipboard**(*pObject*, *clipbdtype*, *py\_got\_it\_callback*)

**Return Value**

num

**fl\_create\_clock**(*clocktype*, *x*, *y*, *w*, *h*, *s*)

**Return Value**

pObject

**fl\_add\_clock**(*clocktype*, *x*, *y*, *w*, *h*, *s*)

**Return Value**

pObject

**fl\_get\_clock**(*pObject*)

**Return Value**

hr, mn, sec

**fl\_set\_clock\_adjustment**(*pObject*, *offset*)

**Return Value**

num

**fl\_set\_clock\_ampm**(*pObject*, *y*)

**fl\_create\_counter**(*countertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_add\_counter**(*countertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_set\_counter\_value**(*pObject*, *val*)

**fl\_set\_counter\_bounds**(*pObject*, *minbound*, *maxbound*)

**fl\_set\_counter\_step**(*pObject*, *s*, *l*)

**fl\_set\_counter\_precision**(*pObject*, *prec*)

**fl\_get\_counter\_precision**(*pObject*)

**Return Value**

*num*

**fl\_set\_counter\_return**(*pObject*, *how*)

**fl\_get\_counter\_value**(*pObject*)

**Return Value**

*num*

**fl\_get\_counter\_bounds**(*pObject*)

**Return Value**

*minbound*, *maxbound*

**fl\_get\_counter\_step**(*pObject*)

**Return Value**

*s*, *l*

**fl\_set\_counter\_filter**(*pObject*, *filter*)

**fl\_get\_counter\_repeat**(*pObject*)

**Return Value**

*num*

**fl\_set\_counter\_repeat**(*pObject*, *msec*)

**fl\_get\_counter\_min\_repeat**(*pObject*)

**Return Value**

num

**fl\_set\_counter\_min\_repeat**(*pObject*, *msec*)

**fl\_get\_counter\_speedjump**(*pObject*)

**Return Value**

num

**fl\_set\_counter\_speedjump**(*pObject*, *yesno*)

**fl\_set\_cursor**(*win*, *numb*)

**fl\_set\_cursor\_color**(*numb*, *fgcolr*, *bgcolr*)

**fl\_create\_bitmap\_cursor**(*source*, *maskstr*, *w*, *h*, *hotx*, *hoty*)

**Return Value**

num

**fl\_create\_animated\_cursor**(*curnames*, *timeout*)

**Return Value**

num

**fl\_get\_cursor\_byname**(*numb*)

**Return Value**

cursor

**fl\_create\_dial**(*dialtype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_add\_dial**(*dialtype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_set\_dial\_value**(*pObject*, *val*)

**fl\_get\_dial\_value**(*pObject*)

**Return Value**

num

**fl\_set\_dial\_bounds**(*pObject*, *minbound*, *maxbound*)

**fl\_get\_dial\_bounds**(*pObject*)

**Return Value**

minbound, maxbound

**fl\_set\_dial\_step**(*pObject*, *value*)

**fl\_set\_dial\_return**(*pObject*, *value*)

**fl\_set\_dial\_angles**(*pObject*, *angmin*, *angmax*)

**fl\_set\_dial\_cross**(*pObject*, *flag*)

**fl\_set\_dial\_crossover**(*pObject*, *flag*)

**fl\_set\_dial\_direction**(*pObject*, *directn*)

**fl\_get\_dirlist**(*directory*, *pattern*, *rescan*)

**Return Value**

pDirList, n

**fl\_set\_dirlist\_filter**(*py\_filter*)

**Return Value**

dirlist\_filter func

**fl\_set\_dirlist\_sort**(*method*)

**Return Value**

num

**fl\_set\_dirlist\_filterdir**(*yes*)

**Return Value**

num

**fl\_free\_dirlist**(*pDirList*)

**fl\_free\_all\_dirlist**()

**fl\_is\_valid\_dir**(*name*)

**Return Value**

num

**fl\_fmtime**(*timestr*)

**Return Value**

num

**fl\_fix\_dirname**(*directory*)

**Return Value**

dirname string

**flps\_init**()

**Return Value**

flps\_control class

**fl\_object\_ps\_dump**(*pObject*, *fname*)

**Return Value**

num

**fl\_addto\_formbrowser**(*pObject*, *pForm*)

**Return Value**

num

**fl\_delete\_formbrowser\_bynumber**(*pObject*, *num*)

**Return Value**

pForm

**fl\_delete\_formbrowser**(*pObject*, *pFormCandidate*)

**Return Value**

num

**fl\_replace\_formbrowser**(*pObject*, *num*, *pForm*)

**fl\_insert\_formbrowser**(*pObject*, *line*, *pFormNew*)

**Return Value**

num

**fl\_get\_formbrowser\_area**(*pObject*)

**Return Value**

num., x, y, w, h

**fl\_set\_formbrowser\_scroll**(*pObject*, *how*)

**fl\_set\_formbrowser\_hscrollbar**(*pObject*, *how*)

**fl\_set\_formbrowser\_vscrollbar**(*pObject*, *how*)

**fl\_get\_formbrowser\_topform**(*pObject*)

**Return Value**

pForm

**fl\_set\_formbrowser\_topform**(*pObject*, *pForm*)

**Return Value**

num

**fl\_set\_formbrowser\_topform\_bynumber**(*pObject*, *n*)

**Return Value**

pForm

**fl\_set\_formbrowser\_xoffset**(*pObject*, *offset*)

**Return Value**

num

**fl\_set\_formbrowser\_yoffset**(*pObject*, *offset*)

**Return Value**

num

**fl\_get\_formbrowser\_xoffset**(*pObject*)

**Return Value**

num

**fl\_get\_formbrowser\_yoffset**(*pObject*)

**Return Value**

num

**fl\_find\_formbrowser\_form\_number**(*pObject*, *pFormCandidate*)

**Return Value**

num

**fl\_add\_formbrowser**(*frmbrwstype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_create\_formbrowser**(*frmbrwstype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_get\_formbrowser\_numforms**(*pObject*)

**Return Value**

forms num

**fl\_get\_formbrowser\_form**(*pObject*, *n*)

**Return Value**

pForm

**fl\_create\_frame**(*frametype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_add\_frame**(*frametype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_create\_labelframe**(*frametype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_add\_labelframe**(*frametype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_create\_free**(*freetype*, *x*, *y*, *w*, *h*, *label*, *py\_handle*)

**Return Value**

pObject

**fl\_add\_free**(*freetype*, *x*, *y*, *w*, *h*, *label*, *py\_handle*)

**Return Value**

pObject

**fl\_set\_goodies\_font**(*style*, *size*)

**fl\_show\_message**(*p1*, *p2*, *p3*)

**fl\_show\_messages**(*p1*)

**fl\_show\_msg**(*p1*)

**fl\_hide\_message**()

**fl\_hide\_msg**()

**fl\_hide\_messages**()

**fl\_show\_question**(*p1*, *p2*)

**Return Value**

num

**fl\_hide\_question**()



```
fl_show_alert(p1, p2, p3, p4)
```

```
fl_show_alert2(c, fmt)
```

```
fl_hide_alert()
```

```
fl_show_input(p1, p2)
```

**Return Value**  
input string

```
fl_hide_input()
```

```
fl_show_simple_input(p1, p2)
```

**Return Value**  
input string

```
fl_show_colormap(oldcolr)
```

Shows a colormap color selector from which the user can select a color. `<oldcolr>` : color num.

**Return Value**  
colormap num

```
fl_show_choices(p1, p2, p3, p4, p5, p6)
```

**Return Value**  
num

```
fl_show_choice(p1, p2, p3, p4, p5, p6, p7, p8)
```

**Return Value**  
num

```
fl_hide_choice()
```

```
fl_set_choices_shortcut(p1, p2, p3)
```

```
fl_set_choice_shortcut(p1, p2, p3)
```

```
fl_show_oneliner(p1, p2, p3)
```

```
fl_hide_oneliner()
```

```
fl_set_oneliner_font(p1, p2)
```

```
fl_set_oneliner_color(p1, p2)
```

```
fl_set_tooltip_font(p1, p2)
```

```
fl_set_tooltip_color(p1, p2)
```

```
fl_set_tooltip_boxttype(p1)
```

```
fl_set_tooltip_lalign(p1)
```

```
fl_exe_command(p1, p2)
```

**Return Value**

num

```
fl_end_command(p1)
```

**Return Value**

num

```
fl_check_command(p1)
```

**Return Value**

num

```
fl_popen(p1, p2)
```

**Return Value**

FILE ptr

```
fl_pclose(p1)
```

**Return Value**

num

```
fl_end_all_command()
```

**Return Value**

num

```
fl_show_command_log(p1)
```

```
fl_hide_command_log()
```

```
fl_clear_command_log()
```

```
fl_addto_command_log(p1)
```

```
fl_set_command_log_position(p1, p2)
```

**fl\_get\_command\_log\_fdstruct()****Return Value**

pCmdlog

**fl\_open\_command(*p1*, *p2*)****Return Value**

num

**fl\_close\_command(*p1*)****Return Value**

num

**fl\_use\_fselector(*p1*)****Return Value**

num

**fl\_show\_fselector(*p1*, *p2*, *p3*, *p4*)****Return Value**

fselector string

**fl\_set\_fselector\_fontsize(*p1*)****fl\_set\_fselector\_fontstyle(*p1*)****fl\_set\_fselector\_placement(*p1*)****fl\_set\_fselector\_border(*p1*)****fl\_set\_fselector\_transient(*b*)****fl\_set\_fselector\_callback(*py\_cb*, *p2*)****fl\_get\_filename()****Return Value**

filename string

**fl\_get\_directory()****Return Value**

directory string

**fl\_get\_pattern()****Return Value**

pattern string

`fl_set_directory(p1)`

**Return Value**

num

`fl_set_pattern(p1)`

`fl_refresh_fselector()`

`fl_add_fselector_appbutton(p1, py_fn, p3)`

`fl_remove_fselector_appbutton(p1)`

`fl_disable_fselector_cache(p1)`

`fl_invalidate_fselector_cache()`

`fl_get_fselector_form()`

**Return Value**

pForm

`fl_get_fselector_fdstruct()`

**Return Value**

fselector class

`fl_hide_fselector()`

`fl_set_fselector_filetype_marker(p1, p2, p3, p4, p5)`

`fl_show_file_selector(p1, p2, p3, p4)`

**Return Value**

fselector string

`fl_set_fselector_cb(py_cb, p2)`

`fl_set_fselector_title(s)`

`fl_goodies_atclose(pForm, p2)`

**Return Value**

num

`fl_create_input(inputtype, x, y, w, h, label)`

**Return Value**

pObject

**fl\_add\_input**(*inputtype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**  
pObject

**fl\_set\_input**(*pObject*, *inputstr*)

**fl\_set\_input\_return**(*pObject*, *value*)

**fl\_set\_input\_color**(*pObject*, *textcolr*, *curscolr*)

**fl\_get\_input\_color**(*pObject*)

**Return Value**  
textcolr, curscolr

**fl\_set\_input\_scroll**(*pObject*, *yes*)

**fl\_set\_input\_cursorpos**(*pObject*, *xpos*, *ypos*)

**fl\_set\_input\_selected**(*pObject*, *yes*)

**fl\_set\_input\_selected\_range**(*pObject*, *begin*, *end*)

**fl\_get\_input\_selected\_range**(*pObject*)

**Return Value**  
string, begin, end

**fl\_set\_input\_maxchars**(*pObject*, *maxchars*)

**fl\_set\_input\_format**(*pObject*, *fmt*, *sep*)

**fl\_set\_input\_hscrollbar**(*pObject*, *pref*)

**fl\_set\_input\_vscrollbar**(*pObject*, *pref*)

**fl\_set\_input\_topline**(*pObject*, *top*)

**fl\_set\_input\_scrollbarsize**(*pObject*, *hh*, *vw*)

**fl\_get\_input\_scrollbarsize**(*pObject*)

**Return Value**  
hh, vw

**fl\_set\_input\_xoffset**(*pObject*, *xoff*)

**fl\_get\_input\_xoffset**(*pObject*)

**Return Value**

num

**fl\_set\_input\_fieldchar**(*pObject*, *fldchar*)

**Return Value**

num

**fl\_get\_input\_topline**(*pObject*)

**Return Value**

num

**fl\_get\_input\_screenlines**(*pObject*)

**Return Value**

num

**fl\_get\_input\_cursorpos**(*pObject*)

**Return Value**

num., x, y

**fl\_set\_input\_cursor\_visible**(*pObject*, *visible*)

**fl\_get\_input\_numberoflines**(*pObject*)

**Return Value**

lines num

**fl\_get\_input\_format**(*pObject*)

**Return Value**

fmt, sep

**fl\_get\_input**(*pObject*)

**Return Value**

input string

**fl\_set\_input\_filter**(*pObject*, *py-validate*)

**Return Value**

input\_filter func

**fl\_validate\_input**(*pObject*)

**Return Value**

num

**fl\_set\_input\_shortcut**(*pObject*, *sstr*, *showit*)

**Parameters**

*pObject*: pointer to object  
*sstr*: shortcut string  
*showit*: flag (0|1)

**fl\_set\_input\_editkeymap**(*pEditKeymap*)

**fl\_create\_menu**(*menutype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_add\_menu**(*menutype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_clear\_menu**(*pObject*)

**fl\_set\_menu**(*pObject*, *menustr*)

**fl\_addto\_menu**(*pObject*, *menustr*)

**Return Value**

num

**fl\_replace\_menu\_item**(*pObject*, *numb*, *itemstr*)

**fl\_delete\_menu\_item**(*pObject*, *numb*)

**fl\_set\_menu\_item\_callback**(*pObject*, *numb*, *py\_cb*)

**Return Value**

callback

**fl\_set\_menu\_item\_shortcut**(*pObject*, *numb*, *itemstr*)

**fl\_set\_menu\_item\_mode**(*pObject*, *numb*, *mode*)

**fl\_show\_menu\_symbol**(*pObject*, *show*)

**fl\_set\_menu\_popup**(*pObject*, *pup*)

**fl\_get\_menu\_popup**(*pObject*)

**Return Value**

num

**fl\_get\_menu**(*pObject*)**Return Value**

num

**fl\_get\_menu\_item\_text**(*pObject*, *numb*)**Return Value**

text string

**fl\_get\_menu\_maxitems**(*pObject*)**Return Value**

items num

**fl\_get\_menu\_item\_mode**(*pObject*, *numb*)**Return Value**

mode num

**fl\_get\_menu\_text**(*pObject*)**Return Value**

text string

**fl\_set\_menu\_entries**(*pObject*, *pPopupEntry*)**Return Value**

num

**fl\_set\_menu\_notitle**(*pObject*, *off*)**Return Value**

num

**fl\_set\_menu\_item\_id**(*pObject*, *item*, *idnum*)**Return Value**

num

**fl\_create\_nmenu**(*nmenutype*, *x*, *y*, *w*, *h*, *label*)**Return Value**

pObject

**fl\_add\_nmenu**(*nmenutype*, *x*, *y*, *w*, *h*, *label*)**Return Value**

pObject

**fl\_clear\_nmenu**(*pObject*)**Return Value**

num



**fl\_add\_nmenu\_items**(*pObject*, *itemstr*)

**Return Value**

pPopupEntry

**fl\_insert\_nmenu\_items**(*pObject*, *pPopupEntry*, *itemstr*)

**Return Value**

pPopupEntry

**fl\_replace\_nmenu\_item**(*pObject*, *pPopupEntry*, *itemstr*)

**Return Value**

pPopupEntry

**fl\_delete\_nmenu\_item**(*pObject*, *pPopupEntry*)

**Return Value**

num

**fl\_set\_nmenu\_items**(*pObject*, *pPopupItem*)

**Return Value**

pPopupEntry

**fl\_get\_nmenu\_popup**(*pObject*)

**Return Value**

pPopup

**fl\_set\_nmenu\_popup**(*pObject*, *pPopup*)

**Return Value**

num

**fl\_get\_nmenu\_item**(*pObject*)

**Return Value**

pPopupReturn

**fl\_get\_nmenu\_item\_by\_value**(*pObject*, *value*)

**Return Value**

pPopupEntry

**fl\_get\_nmenu\_item\_by\_label**(*pObject*, *label*)

**Return Value**

pPopupEntry

**fl\_get\_nmenu\_item\_by\_text**(*pObject*, *text*)

**Return Value**

pPopupEntry

**fl\_set\_nmenu\_policy**(*pObject*, *num*)

**Return Value**

*num*

**fl\_set\_nmenu\_hl\_text\_color**(*pObject*, *colr*)

**Return Value**

*color*

**fl\_create\_positioner**(*postype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_add\_positioner**(*postype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_set\_positioner\_xvalue**(*pObject*, *val*)

**fl\_get\_positioner\_xvalue**(*pObject*)

**Return Value**

*floatnum*

**fl\_set\_positioner\_xbounds**(*pObject*, *minbound*, *maxbound*)

**fl\_get\_positioner\_xbounds**(*pObject*)

**Return Value**

*minbound*, *maxbound*

**fl\_set\_positioner\_yvalue**(*pObject*, *val*)

**fl\_get\_positioner\_yvalue**(*pObject*)

**Return Value**

*floatnum*

**fl\_set\_positioner\_ybounds**(*pObject*, *minbound*, *maxbound*)

**fl\_get\_positioner\_ybounds**(*pObject*)

**Return Value**

*minbound*, *maxbound*

**fl\_set\_positioner\_xstep**(*pObject*, *value*)

**fl\_set\_positioner\_ystep**(*pObject*, *value*)

**fl\_set\_positioner\_return**(*pObject*, *value*)

**fl\_create\_scrollbar**(*scrolltype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_add\_scrollbar**(*scrolltype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_get\_scrollbar\_value**(*pObject*)

**Return Value**

floatnum

**fl\_set\_scrollbar\_value**(*pObject*, *val*)

**fl\_set\_scrollbar\_size**(*pObject*, *val*)

**fl\_set\_scrollbar\_increment**(*pObject*, *leftbtnval*, *midlbtnval*)

**fl\_get\_scrollbar\_increment**(*pObject*)

**Return Value**

*leftbtnval*, *midlbtnval*

**fl\_set\_scrollbar\_bounds**(*pObject*, *minbound*, *maxbound*)

**fl\_get\_scrollbar\_bounds**(*pObject*)

**Return Value**

*minbound*, *maxbound*

**fl\_set\_scrollbar\_return**(*pObject*, *returnnum*)

**fl\_set\_scrollbar\_step**(*pObject*, *step*)

**fl\_create\_select**(*selecttype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_add\_select**(*selecttype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_clear\_select**(*pObject*)

**fl\_add\_select\_items**(*pObject*, *itemstr*)

**Return Value**

*pPopupEntry*

**fl\_insert\_select\_items**(*pObject*, *pPopupEntry*, *itemstr*)

**Return Value**

*pPopupEntry*

**fl\_replace\_select\_item**(*pObject*, *pPopupEntry*, *itemstr*)

**Return Value**

*pPopupEntry*

**fl\_delete\_select\_item**(*pObject*, *pPopupEntry*)

**Return Value**

*num*

**fl\_set\_select\_items**(*pObject*, *pPopupItem*)

**Return Value**

*num*

**fl\_get\_select\_popup**(*pObject*)

**Return Value**

*pPopup*

**fl\_set\_select\_popup**(*pObject*, *pPopup*)

**Return Value**

*num*

**fl\_get\_select\_item**(*pObject*)

**Return Value**

*pPopupReturn*

**fl\_set\_select\_item**(*pObject*, *pPopupEntry*)

**Return Value**

*pPopupReturn*

**fl\_get\_select\_item\_by\_value**(*pObject*, *value*)

**Return Value**

*pPopupEntry*

**fl\_get\_select\_item\_by\_label**(*pObject*, *label*)

**Return Value**

*pPopupEntry*

**fl\_get\_select\_item\_by\_text**(*pObject*, *txtstr*)

**Return Value**

pPopupEntry

**fl\_get\_select\_text\_color**(*pObject*)

**Return Value**

color

**fl\_set\_select\_text\_color**(*pObject*, *colr*)

**Return Value**

color

**fl\_get\_select\_text\_font**(*pObject*)

**Return Value**

num, num1, num2

**fl\_set\_select\_text\_font**(*pObject*, *p2*, *p3*)

**Return Value**

font num

**fl\_get\_select\_text\_align**(*pObject*)

**Return Value**

num

**fl\_set\_select\_text\_align**(*pObject*, *p2*)

**Return Value**

num

**fl\_set\_select\_policy**(*pObject*, *num*)

**Return Value**

num

**fl\_create\_slider**(*slidertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_add\_slider**(*slidertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_create\_valslider**(*slidertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_add\_valslider**(*slidertype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_set\_slider\_value**(*pObject, val*)

**fl\_get\_slider\_value**(*pObject*)

**Return Value**  
floatnum

**fl\_set\_slider\_bounds**(*pObject, minbound, maxbound*)

**fl\_get\_slider\_bounds**(*pObject*)

**Return Value**  
minbound, maxbound

**fl\_set\_slider\_return**(*pObject, returnnum*)

**fl\_set\_slider\_step**(*pObject, value*)

**fl\_set\_slider\_increment**(*pObject, leftbtnval, midlbtnval*)

**fl\_get\_slider\_increment**(*pObject*)

**Return Value**  
leftbtnval, midlbtnval

**fl\_set\_slider\_size**(*pObject, size*)

**fl\_set\_slider\_precision**(*pObject, precnum*)

**fl\_set\_slider\_filter**(*pObject, py\_filter*)

**fl\_create\_spinner**(*spinnertype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_add\_spinner**(*spinnertype, x, y, w, h, label*)

**Return Value**  
pObject

**fl\_get\_spinner\_value**(*pObject*)

**Return Value**  
floatval

**fl\_set\_spinner\_value**(*pObject*, *val*)

**Return Value**

num

**fl\_set\_spinner\_bounds**(*pObject*, *minbound*, *maxbound*)

**fl\_get\_spinner\_bounds**(*pObject*)

**Return Value**

minbound, maxbound

**fl\_set\_spinner\_step**(*pObject*, *step*)

**fl\_get\_spinner\_step**(*pObject*)

**Return Value**

num

**fl\_set\_spinner\_precision**(*pObject*, *precnum*)

**fl\_get\_spinner\_precision**(*pObject*)

**Return Value**

num

**fl\_get\_spinner\_input**(*pObject*)

**Return Value**

pObject

**fl\_get\_spinner\_up\_button**(*pObject*)

**Return Value**

pObject

**fl\_get\_spinner\_down\_button**(*pObject*)

**Return Value**

pObject

**fl\_create\_tabfolder**(*foldertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_add\_tabfolder**(*foldertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_addto\_tabfolder**(*pObject*, *title*, *pForm*)

**Return Value**  
*pObject*

**fl\_get\_tabfolder\_folder\_bynumber**(*pObject*, *num*)

**Return Value**  
*pForm*

**fl\_get\_tabfolder\_folder\_byname**(*pObject*, *name*)

**Return Value**  
*pForm*

**fl\_delete\_folder**(*pObject*, *pForm*)

**fl\_delete\_folder\_bynumber**(*pObject*, *num*)

**fl\_delete\_folder\_byname**(*pObject*, *name*)

**fl\_set\_folder**(*pObject*, *pForm*)

**fl\_set\_folder\_byname**(*pObject*, *name*)

**fl\_set\_folder\_bynumber**(*pObject*, *num*)

**fl\_get\_folder**(*pObject*)

**Return Value**  
*pForm*

**fl\_get\_folder\_number**(*pObject*)

**Return Value**  
folder num

**fl\_get\_folder\_name**(*pObject*)

**Return Value**  
name string

**fl\_get\_tabfolder\_numfolders**(*pObject*)

**Return Value**  
num

**fl\_get\_active\_folder**(*pObject*)

**Return Value**  
*pForm*



**fl\_get\_active\_folder\_number**(*pObject*)

**Return Value**

num

**fl\_get\_active\_folder\_name**(*pObject*)

**Return Value**

name string

**fl\_get\_folder\_area**(*pObject*)

**Return Value**

x, y, w, h

**fl\_replace\_folder\_bynumber**(*pObject, num, pForm*)

**fl\_set\_tabfolder\_autofit**(*pObject, num*)

**Return Value**

num

**fl\_set\_default\_tabfolder\_corner**(*n*)

**Return Value**

num

**fl\_set\_tabfolder\_offset**(*pObject, offset*)

**Return Value**

num

**fl\_create\_text**(*texttype, x, y, w, h, label*)

**Return Value**

pObject

**fl\_add\_text**(*texttype, x, y, w, h, label*)

**Return Value**

pObject

**fl\_get\_thumbwheel\_value**(*pObject*)

**Return Value**

num

**fl\_set\_thumbwheel\_value**(*pObject, value*)

**fl\_get\_thumbwheel\_step**(*pObject*)

**Return Value**

num

**fl\_set\_thumbwheel\_step**(*pObject*, *step*)

**Return Value**

*num*

**fl\_set\_thumbwheel\_return**(*pObject*, *when*)

**Return Value**

*num*

**fl\_set\_thumbwheel\_crossover**(*pObject*, *flag*)

**Return Value**

*num*

**fl\_set\_thumbwheel\_bounds**(*pObject*, *minbound*, *maxbound*)

**fl\_get\_thumbwheel\_bounds**(*pObject*)

**Return Value**

*minbound*, *maxbound*

**fl\_create\_thumbwheel**(*wheeltype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_add\_thumbwheel**(*wheeltype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_create\_timer**(*timertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_add\_timer**(*timertype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

*pObject*

**fl\_set\_timer**(*pObject*, *total*)

**fl\_get\_timer**(*pObject*)

**Return Value**

*num*

**fl\_set\_timer\_countup**(*pObject*, *yes*)

**fl\_set\_timer\_filter**(*pObject*, *py\_filter*)

**Return Value**

timer\_filter func

**fl\_suspend\_timer**(*pObject*)

**fl\_resume\_timer**(*pObject*)

**fl\_setpup\_entries**(*popupid*, *pPopupEntry*)

**Return Value**

num

**fl\_newpup**(*win*)

**Return Value**

num

**fl\_defpup**(*win*, *pupstr*)

**Return Value**

num

**fl\_addtopup**(*popupid*, *pupstr*)

**Return Value**

num

**fl\_setpup\_mode**(*popupid*, *itemval*, *mode*)

**Return Value**

num

**fl\_freepup**(*popupid*)

**fl\_dopup**(*popupid*)

**Return Value**

num

**fl\_setpup\_default\_cursor**(*cursor*)

**Return Value**

cursor

**fl\_setpup\_default\_color**(*fgcolr*, *bgcolr*)

**fl\_setpup\_default\_pup\_checked\_color**(*colr*)

fl\_setpup\_default\_pup\_checked\_color(colr):

**fl\_setpup\_default\_fontsize**(*size*)

**Return Value**

num

**fl\_setpup\_default\_fontstyle**(*style*)

**Return Value**

num

**fl\_setpup\_fontsize**(*size*)

**Return Value**

num

**fl\_setpup\_fontstyle**(*style*)

**Return Value**

num

**fl\_setpup\_color**(*fgcolr*, *bgcolr*)

**fl\_setpup\_default\_checkcolor**(*colr*)

---

fl\_setpup\_default\_pup\_checked\_color(*colr*):

**fl\_setpup\_checkcolor**(*colr*)

---

fl\_setpup\_default\_pup\_checked\_color(*colr*):

**fl\_setpup\_default\_bw**(*bw*)

**Return Value**

num

**fl\_setpup\_shortcut**(*popupid*, *itemval*, *hotkeystxt*)

**fl\_setpup\_position**(*x*, *y*)

**fl\_setpup\_selection**(*popupid*, *itemval*)

**fl\_setpup\_shadow**(*popupid*, *flag*)

**fl\_setpup\_softedge**(*popupid*, *flag*)

**fl\_setpup\_bw**(*popupid*, *bw*)

**fl\_setpup\_title**(*popupid*, *title*)

**fl\_setpup\_entercb**(*popupid*, *py\_cb*, *data*)**Return Value***pup\_entercb***fl\_setpup\_leavecb**(*popupid*, *py\_cb*, *data*)**Return Value***pup\_leavecb***fl\_setpup\_pad**(*popupid*, *padw*, *padh*)**fl\_setpup\_cursor**(*popupid*, *cursor*)**Return Value***cursor***fl\_setpup\_maxpup**(*newmaxnum*)**Return Value***num***fl\_getpup\_mode**(*popupid*, *itemval*)**Return Value***num***fl\_getpup\_text**(*popupid*, *itemval*)**Return Value**

text string

**fl\_showpup**(*popupid*)**fl\_hidepup**(*popupid*)**fl\_getpup\_items**(*popupid*)**Return Value***num***fl\_current\_pup**()**Return Value***num***fl\_setpup\_itemcb**(*popupid*, *itemval*, *py\_cb*)**Return Value***pup\_cb*

**fl\_setpup\_menucb**(*popupid*, *py\_cb*)

**Return Value**

pup\_cb func

**fl\_setpup\_submenu**(*popupid*, *itemval*, *subpopupid*)

**fl\_setpup**(*popupid*, *itemval*, *mode*)

**Return Value**

num

**fl\_create\_xyplot**(*plottype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_add\_xyplot**(*plottype*, *x*, *y*, *w*, *h*, *label*)

**Return Value**

pObject

**fl\_set\_xyplot\_data**(*pObject*, *xlist*, *ylist*, *n*, *title*, *xlabel*, *ylabel*)

**fl\_set\_xyplot\_data\_double**(*pObject*, *x*, *y*, *n*, *title*, *xlabel*, *ylabel*)

**fl\_set\_xyplot\_file**(*pObject*, *f*, *title*, *xl*, *yl*)

**Return Value**

num

**fl\_insert\_xyplot\_data**(*pObject*, *idnum*, *n*, *valx*, *valy*)

**fl\_add\_xyplot\_text**(*pObject*, *valx*, *valy*, *text*, *al*, *colr*)

**fl\_delete\_xyplot\_text**(*pObject*, *text*)

**fl\_set\_xyplot\_maxoverlays**(*pObject*, *maxover*)

**Return Value**

num

**fl\_add\_xyplot\_overlay**(*pObject*, *idnum*, *x*, *y*, *n*, *colr*)

**fl\_add\_xyplot\_overlay\_file**(*pObject*, *idnum*, *f*, *colr*)

**Return Value**

num

**fl\_set\_xyplot\_return**(*pObject*, *when*)

`fl_set_xyplot_xtics(pObject, major, minor)`

`fl_set_xyplot_ytics(pObject, major, minor)`

`fl_set_xyplot_xbounds(pObject, minbound, maxbound)`

`fl_set_xyplot_ybounds(pObject, minbound, maxbound)`

`fl_get_xyplot_xbounds(pObject)`

**Return Value**

`minbound`, `maxbound`

`fl_get_xyplot_ybounds(pObject)`

**Return Value**

`minbound`, `maxbound`

`fl_get_xyplot(pObject)`

**Return Value**

`x`, `y`, `i`

`fl_get_xyplot_data(pObject)`

**Return Value**

`x`, `y`, `n`

`fl_get_xyplot_data_pointer(pObject, idnum)`

**Return Value**

`x`, `y`, `n`

`fl_get_xyplot_overlay_data(pObject, idnum)`

**Return Value**

`x`, `y`, `n`

`fl_set_xyplot_overlay_type(pObject, idnum, plotype)`

`fl_delete_xyplot_overlay(pObject, idnum)`

`fl_set_xyplot_interpolate(pObject, idnum, deg, grid)`

`fl_set_xyplot_inspect(pObject, yes)`

`fl_set_xyplot_symbolsizes(pObject, n)`

`fl_replace_xyplot_point(pObject, i, valx, valy)`

**fl\_replace\_xyplot\_point\_in\_overlay**(*pObject*, *i*, *setID*, *valx*, *valy*)

**fl\_get\_xyplot\_xmapping**(*pObject*)

**Return Value**

*a*, *b*

**fl\_get\_xyplot\_ymapping**(*pObject*)

**Return Value**

*a*, *b*

**fl\_set\_xyplot\_keys**(*pObject*, *keys*, *valx*, *valy*, *align*)

**fl\_set\_xyplot\_key**(*pObject*, *idnum*, *keytxt*)

**fl\_set\_xyplot\_key\_position**(*pObject*, *valx*, *valy*, *align*)

**fl\_set\_xyplot\_key\_font**(*pObject*, *style*, *size*)

**fl\_get\_xyplot\_numdata**(*pObject*, *idnum*)

**Return Value**

*num*

**fl\_set\_xyplot\_fontsize**(*pObject*, *size*)

**fl\_set\_xyplot\_fontstyle**(*pObject*, *style*)

**fl\_xyplot\_s2w**(*pObject*, *sx*, *sy*, *wx*, *wy*)

**fl\_xyplot\_w2s**(*pObject*, *wx*, *wy*, *sx*, *sy*)

**fl\_set\_xyplot\_xscale**(*pObject*, *scale*, *base*)

**fl\_set\_xyplot\_yscale**(*pObject*, *scale*, *base*)

**fl\_clear\_xyplot**(*pObject*)

**fl\_set\_xyplot\_linewidth**(*pObject*, *idnum*, *lw*)

**fl\_set\_xyplot\_xgrid**(*pObject*, *xgrid*)

**fl\_set\_xyplot\_ygrid**(*pObject*, *ygrid*)



**fl\_set\_xyplot\_grid\_linestyle**(*pObject*, *style*)

**Return Value**

num

**fl\_set\_xyplot\_alphaxtics**(*pObject*, *m*, *s*)

**fl\_set\_xyplot\_alphaytics**(*pObject*, *m*, *s*)

**fl\_set\_xyplot\_fixed\_xaxis**(*pObject*, *lm*, *rm*)

**fl\_set\_xyplot\_fixed\_yaxis**(*pObject*, *bm*, *tm*)

**fl\_interpolate**(*wx*, *wy*, *nin*, *x*, *y*, *grid*, *ndeg*)

**Return Value**

num

**fl\_spline\_interpolate**(*wx*, *wy*, *nin*, *x*, *y*, *grid*)

**Return Value**

num

**fl\_set\_xyplot\_symbol**(*pObject*, *idnum*, *py-symbol*)

**Return Value**

xyplot\_symbol func

**fl\_set\_xyplot\_mark\_active**(*pObject*, *y*)

**Return Value**

num

**fl\_gc\_()**

**Return Value**

gc

**fl\_textgc\_()**

**Return Value**

gc

**fl\_fheight\_()**

**Return Value**

num

**fl\_fdesc\_()**

**Return Value**

num

**fl\_cur\_win\_()****Return Value**  
window**fl\_cur\_fs\_()****Return Value**  
XFontStruct class**fl\_textgc()****Return Value**  
gc**fl\_gc()****Return Value**  
gc**fl\_cur\_win()****Return Value**  
window**fl\_fheight()****Return Value**  
num**fl\_fdesc()****Return Value**  
num**fl\_cur\_fs()****Return Value**  
XFontStruct class**fl\_display\_()****Return Value**  
pDisplay**FL\_RGB2GRAY**(*r*, *g*, *b*)**FL\_GETR**(*packed*)**FL\_IsRGB**(*im*)**FL\_IsPacked**(*im*)

**flimage\_setup**(*setup*)**flimage\_load**(*filename*)**Return Value***pImage***flimage\_read**(*pImage*)**Return Value***pImage***flimage\_dump**(*pImage*, *p2*, *p3*)**Return Value***num***flimage\_close**(*pImage*)**Return Value***num***flimage\_alloc**()**Return Value***pImage***flimage\_getmem**(*pImage*)**Return Value***num***flimage\_is\_supported**(*p1*)**Return Value***num***flimage\_description\_via\_filter**(*pImage*, *p2*, *p3*, *p4*)**Return Value***num***flimage\_write\_via\_filter**(*pImage*, *p2*, *p3*, *p4*)**Return Value***num***flimage\_free**(*pImage*)**Return Value***num*

**flimage\_display**(*pImage*, *win*)**Return Value**

num

**flimage\_sdisplay**(*pImage*, *win*)**Return Value**

num

**flimage\_convert**(*pImage*, *p2*, *p3*)**Return Value**

num

**flimage\_type\_name**(*flimagetype*)**Return Value**

name string

**flimage\_add\_text**(*pImage*, *text*, *p3*, *p4*, *p5*, *p6*, *p7*, *p8*, *p9*, *p10*, *p11*)**Return Value**

num

**flimage\_add\_text\_struct**(*pImage*, *pImageText*)**Return Value**

num

**flimage\_delete\_all\_text**(*pImage*)**flimage\_add\_marker**(*pImage*, *text*, *p3*, *p4*, *p5*, *p6*, *p7*, *p8*, *p9*, *p10*, *p11*)**Return Value**

num

**flimage\_add\_marker\_struct**(*pImage*, *pImageMarker*)**Return Value**

num

**flimage\_define\_marker**(*text1*, *pImageMarker*, *text2*)**Return Value**

num

**flimage\_delete\_all\_markers**(*pImage*)**flimage\_render\_annotation**(*pImage*, *win*)**Return Value**

num

**flimage\_error**(*pImage*, *text*)

**flimage\_enable\_pnm**()

**flimage\_set\_fits\_bits**(*p1*)

**Return Value**

num

**flimage\_jpeg\_output\_options**(*pImageJpegOption*)

**flimage\_pnm\_output\_options**(*p1*)

**flimage\_gif\_output\_options**(*p1*)

**flimage\_ps\_options**()

**Return Value**

flps\_control class

**flimage\_jpeg\_options**(*pImageJpegOption*)

**flimage\_pnm\_options**(*p1*)

**flimage\_gif\_options**(*p1*)

**flimage\_get\_number\_of\_formats**()

**Return Value**

num

**flimage\_get\_format\_info**(*p1*)

**Return Value**

format\_info class instance

**fl\_get\_matrix**(*p1*, *p2*, *p3*)

**Return Value**

?

**fl\_make\_matrix**(*p1*, *p2*, *p3*, *p4*)

**Return Value**

?

**fl\_free\_matrix**(*p1*)

**fl\_init\_RGBdatabase**(*text*)**Return Value**

num

**fl\_lookup\_RGBcolor**(*text*, *p2*, *p3*, *p4*)**Return Value**

num

**flimage\_add\_format**(*p1*, *p2*, *p3*, *p4*, *py\_fn5*, *py\_fn6*, *py\_fn7*, *py\_fn8*)**Return Value**

num

**flimage\_set\_annotation\_support**(*p1*, *p2*)**flimage\_getcolormap**(*pImage*)**Return Value**

num

**fl\_select\_mediancut\_quantizer**()**flimage\_convolve**(*pImage*, *p2*, *p3*, *p4*)**Return Value**

num

**flimage\_convolvea**(*pImage*, *p2*, *p3*, *p4*)**Return Value**

num

**flimage\_tint**(*pImage*, *p2*, *p3*)**Return Value**

num

**flimage\_rotate**(*pImage*, *p2*, *p3*)**Return Value**

num

**flimage\_flip**(*pImage*, *p2*)**Return Value**

num

**flimage\_scale**(*pImage*, *p2*, *p3*, *p4*)**Return Value**

num

**flimage\_warp**(*pImage*, *p2*, *p3*, *p4*, *p5*)**Return Value**

num

**flimage\_autocrop**(*pImage*, *p2*)**Return Value**

num

**flimage\_get\_autocrop**(*pImage*, *bk*)**Return Value**

num., xl, yt, xr, yb

**flimage\_crop**(*pImage*, *p2*, *p3*, *p4*, *p5*)**Return Value**

num

**flimage\_replace\_pixel**(*pImage*, *p2*, *p3*)**Return Value**

num

**flimage\_transform\_pixels**(*pImage*, *red*, *green*, *blue*)**Return Value**

num

**flimage\_windowlevel**(*pImage*, *p2*, *p3*)**Return Value**

num

**flimage\_enhance**(*pImage*, *p2*)**Return Value**

num

**flimage\_from\_pixmap**(*pImage*, *pixmap*)**Return Value**

num

**flimage\_to\_pixmap**(*pImage*, *win*)**Return Value**

pixmap

**flimage\_dup**(*pImage*)**Return Value**

pImage

**fl\_get\_submatrix**(*in\_*, *rows*, *cols*, *r1*, *c1*, *rs*, *cs*, *esize*)

**Return Value**

?

**fl\_j2pass\_quantize\_packed**(*p1*, *p2*, *p3*, *p4*, *p5*, *p6*, *p7*, *p8*, *p9*, *pImage*)

**Return Value**

num

**fl\_j2pass\_quantize\_rgb**(*p1*, *p2*, *p3*, *p4*, *p5*, *p6*, *p7*, *p8*, *p9*, *p10*, *p11*, *pImage*)

**Return Value**

num

**fl\_make\_submatrix**(*in\_*, *rows*, *cols*, *r1*, *c1*, *rs*, *cs*, *esize*)

**Return Value**

?

**fl\_pack\_bits**(*p1*, *p2*, *p3*)

**fl\_unpack\_bits**(*p1*, *p2*, *p3*)

**fl\_value\_to\_bits**(*p1*)

**Return Value**

num

**flimage\_add\_comments**(*pImage*, *p2*, *p3*)

**flimage\_color\_to\_pixel**(*pImage*, *p2*, *p3*, *p4*, *p5*)

**Return Value**

num

**flimage\_combine**(*pImage1*, *pImage2*, *p3*)

**Return Value**

pImage

**flimage\_display\_markers**(*pImage*)

**flimage\_dup\_**(*pImage*, *p2*)

**Return Value**

pImage

**flimage\_enable\_bmp**()

**flimage\_enable\_fits**()



`flimage_enable_genesis()``flimage_enable_gif()``flimage_enable_gzip()``flimage_enable_jpeg()``flimage_enable_png()``flimage_enable_ps()``flimage_enable_sgi()``flimage_enable_tiff()``flimage_enable_xbm()``flimage_enable_xpm()``flimage_enable_xwd()``flimage_free_ci(pImage)``flimage_free_gray(pImage)``flimage_free_linearlut(pImage)``flimage_free_rgb(pImage)``flimage_freemem(pImage)``flimage_get_closest_color_from_map(pImage, p2)`**Return Value**`num``flimage_get_linearlut(pImage)`**Return Value**`num``flimage_invalidate_pixels(pImage)`

**fimage\_open**(*filename*)**Return Value***pImage***fimage\_read\_annotation**(*pImage*)**Return Value***num***fimage\_replace\_image**(*pImage*, *p2*, *p3*, *p4*, *p5*, *p6*)**fimage\_swapbuffer**(*pImage*)**Return Value***num***fimage\_to\_ximage**(*pImage*, *win*, *pXWindowAttributes*)**Return Value***num***fimage\_write\_annotation**(*pImage*)**Return Value***num***flps\_apply\_gamma**(*p1*)**flps\_arc**(*p1*, *p2*, *p3*, *p4*, *p5*, *p6*, *p7*)**flps\_circ**(*fill*, *x*, *y*, *r*, *colr*)**flps\_color**(*colr*)**flps\_draw\_box**(*style*, *x*, *y*, *w*, *h*, *colr*, *bwIn*)**flps\_draw\_checkbox**(*boxtype*, *x*, *y*, *w*, *h*, *colr*, *bw*)**flps\_draw\_frame**(*style*, *x*, *y*, *w*, *h*, *colr*, *bw*)**flps\_draw\_symbol**(*label*, *x*, *y*, *w*, *h*, *colr*)**Return Value***num***flps\_draw\_tbox**(*style*, *x*, *y*, *w*, *h*, *colr*, *bw*)**flps\_draw\_text**(*align*, *x*, *y*, *w*, *h*, *colr*, *style*, *size*, *text*)

```
flps_draw_text_beside(align, x, y, w, h, colr, style, size, text)
```

```
flps_emit_header(title, npages, xi, yi, xf, yf)
```

```
flps_emit_prolog()
```

```
flps_get_gray255(colr)
```

**Return Value**  
num

```
flps_get_linestyle()
```

**Return Value**  
num

```
flps_get_linewidth()
```

**Return Value**  
width num

```
flps_get_namedcolor(colrname)
```

**Return Value**  
num

```
flps_invalidate_color_cache()
```

```
flps_invalidate_font_cache()
```

```
flps_invalidate_linewidth_cache()
```

```
flps_invalidate_symbol_cache()
```

```
flps_line(xi, yi, xf, yf, colr)
```

```
flps_lines(pPoint, num, colr)
```

```
flps_linestyle(linestyle)
```

```
flps_linewidth(linewidth)
```

```
flps_log(text)
```

```
flps_output(fmt)
```

```
flps_oval(fill, x, y, w, h, colr)
```

```
flps_pieslice(fill, x, y, w, h, t1, t2, colr)
```

```
flps_poly(fill, pPoint, num, colr)
```

```
flps_rectangle(fill, x, y, w, h, colr)
```

```
flps_reset_cache()
```

```
flps_reset_linewidth()
```

```
flps_restore_flps()
```

```
flps_rgbcolor(r, g, b)
```

```
flps_roundrectangle(fill, x, y, w, h, colr)
```

```
flps_set_clipping(x, y, w, h)
```

```
flps_set_font(style, size)
```

```
flps_unset_clipping()
```

```
XCClearWindow(pDisplay, win)
```

**Return Value**

num

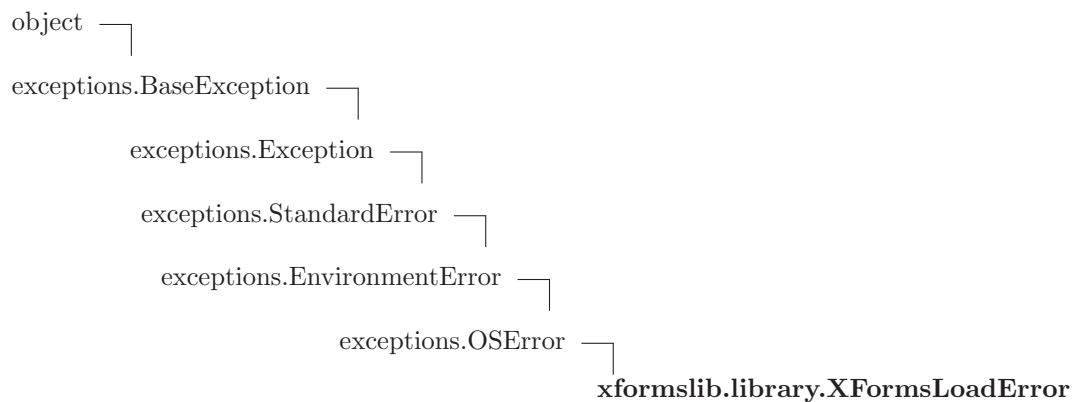
## 1.2 Variables

Name	Description
<code>__mainversion__</code>	<b>Value:</b> '0.3.1'
<code>__vers_against_xforms__</code>	<b>Value:</b> '1.0.93pre1'
<code>header_filename</code>	<b>Value:</b> '/usr/include/forms.h'
<code>loaded_xlibraries</code>	<b>Value:</b> {'libflimage': None, 'libforms': <CDLL 'libforms.so.2', h...
<code>FL_EVENT</code>	<b>Value:</b> cty.POINTER(FL_OBJECT).in_dll(load_so_libforms(), 'FL_EVE...
<code>fl.current_form</code>	<b>Value:</b> cty.POINTER(FL_FORM).in_dll(load_so_libforms(), 'fl_curre...
<code>fl.display</code>	<b>Value:</b> cty.POINTER(Display).in_dll(load_so_libforms(), 'fl_displ...
<code>fl.screen</code>	<b>Value:</b> c_int(0)
<code>fl.root</code>	<b>Value:</b> c_ulong(0L)

*continued on next page*

Name	Description
fl_vroot	<b>Value:</b> c_ulong(0L)
fl_scrh	<b>Value:</b> c_int(0)
fl_scrw	<b>Value:</b> c_int(0)
fl_vmode	<b>Value:</b> c_int(-1)
fl_state	<b>Value:</b> cty.POINTER(FL_State).in_dll(load_so.libforms(), 'fl_state')
fl_ul_magic_char	<b>Value:</b> c_char_p(None)
--package--	<b>Value:</b> 'xformslib'

### 1.3 Class XFormsLoadError



Error in loading shared object library

#### 1.3.1 Methods

*Inherited from exceptions.OSError*

`__init__()`, `__new__()`

*Inherited from exceptions.EnvironmentError*

`__reduce__()`, `__str__()`

*Inherited from exceptions.BaseException*

`__delattr__()`, `__getattribute__()`, `__getitem__()`, `__getslice__()`, `__repr__()`, `__setattr__()`,  
`__setstate__()`, `__unicode__()`

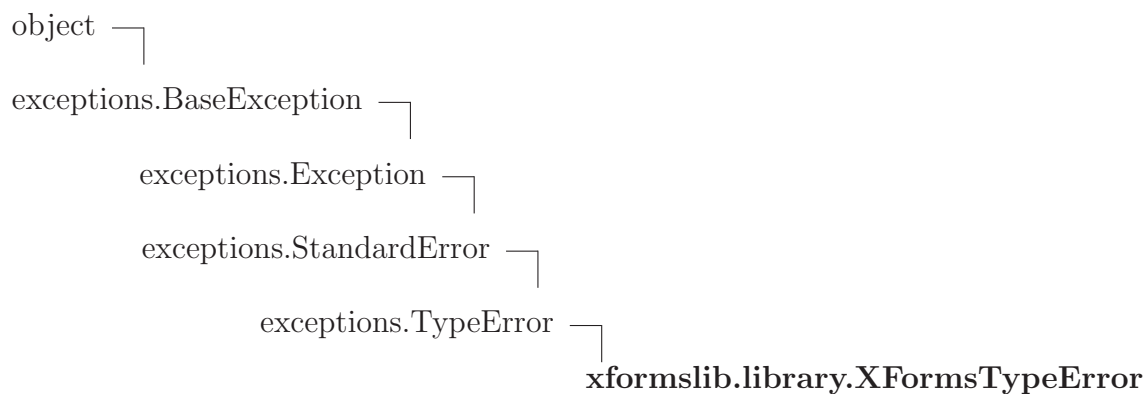
*Inherited from object*

`__format__()`, `__hash__()`, `__reduce_ex__()`, `__sizeof__()`, `__subclasshook__()`

### 1.3.2 Properties

Name	Description
<i>Inherited from exceptions.EnvironmentError</i> errno, filename, strerror	
<i>Inherited from exceptions.BaseException</i> args, message	
<i>Inherited from object</i> __class__	

## 1.4 Class XFormsTypeError



Generic error for type mismatch

### 1.4.1 Methods

*Inherited from exceptions.TypeError*

\_\_init\_\_(), \_\_new\_\_()

*Inherited from exceptions.BaseException*

\_\_delattr\_\_(), \_\_getattr\_\_(), \_\_getitem\_\_(), \_\_getslice\_\_(), \_\_reduce\_\_(), \_\_repr\_\_(),  
\_\_setattr\_\_(), \_\_setstate\_\_(), \_\_str\_\_(), \_\_unicode\_\_()

*Inherited from object*

\_\_format\_\_(), \_\_hash\_\_(), \_\_reduce\_ex\_\_(), \_\_sizeof\_\_(), \_\_subclasshook\_\_()

### 1.4.2 Properties

Name	Description
	<i>Inherited from exceptions.BaseException</i>
	args, message
	<i>Inherited from object</i>
	__class__

## 2 Module `xformslib.xfdata`

`xforms-python` Python wrapper for XForms (X11) GUI C toolkit library using `ctypes`

Copyright (C) 2009 Luca Lazzaroni "LukenShiro" <lukenshiro@ngi.it>

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See CREDITS file to read XForms, `ctypes` and other acknowledgements and thanks.

### 2.1 Variables

Name	Description
FL_VERSION	Value: 1
FL_REVISION	Value: 0
FL_FIXLEVEL	Value: '93pre1'
FL_INCLUDE_VERSION	Value: 1000
INT_MAX	Value: 2147483647
FL_ON	Value: 1
FL_OK	Value: 1
FL_VALID	Value: 1
FL_PREEMPT	Value: 1
FL_AUTO	Value: 2
FL_WHEN_NEEDED	Value: 2
FL_OFF	Value: 0
FL_CANCEL	Value: 0
FL_INVALID	Value: 0
FL_IGNORE	Value: -1
FL_PATH_MAX	Value: 1024
FL_COORD_PIXEL	Value: 0
FL_COORD_MM	Value: 1
FL_COORD_POINT	Value: 2
FL_COORD_centimM	Value: 3
FL_COORD_centipoint	Value: 4
FL_INVALID_CLASS	Value: 0
FL_BUTTON	Value: 1

*continued on next page*



Name	Description
FL_LIGHTBUTTON	Value: 2
FL_ROUNDBUTTON	Value: 3
FL_ROUND3DBUTTON	Value: 4
FL_CHECKBUTTON	Value: 5
FL_BITMAPBUTTON	Value: 6
FL_PIXMAPBUTTON	Value: 7
FL_BITMAP	Value: 8
FL_PIXMAP	Value: 9
FL_BOX	Value: 10
FL_TEXT	Value: 11
FL_MENU	Value: 12
FL_CHART	Value: 13
FL_CHOICE	Value: 14
FL_COUNTER	Value: 15
FL_SLIDER	Value: 16
FL_VALSLIDER	Value: 17
FL_INPUT	Value: 18
FL_BROWSER	Value: 19
FL_DIAL	Value: 20
FL_TIMER	Value: 21
FL_CLOCK	Value: 22
FL_POSITIONER	Value: 23
FL_FREE	Value: 24
FL_XYPLOT	Value: 25
FL_FRAME	Value: 26
FL_LABELFRAME	Value: 27
FL_CANVAS	Value: 28
FL_GLCANVAS	Value: 29
FL_TABFOLDER	Value: 30
FL_SCROLLBAR	Value: 31
FL_SCROLLBUTTON	Value: 32
FL_MENUBAR	Value: 33
FL_TEXTBOX	Value: 34
FL_LABELBUTTON	Value: 35
FL_COMBOBOX	Value: 36
FL_IMAGECANVAS	Value: 37
FL_THUMBWHEEL	Value: 38
FL_COLORWHEEL	Value: 39
FL_FORMBROWSER	Value: 40
FL_SELECT	Value: 41
FL_NMENU	Value: 42
FL_SPINNER	Value: 43

*continued on next page*

Name	Description
FL_TBOX	Value: 44
FL_CLASS_END	Value: 45
FL_BEGIN_GROUP	Value: 10000
FL_END_GROUP	Value: 20000
FL_USER_CLASS_START	Value: 1001
FL_USER_CLASS_END	Value: 9999
FL_MAX_BW	Value: 10
FL_PLACE_FREE	Value: 0
FL_PLACE_MOUSE	Value: 1
FL_PLACE_CENTER	Value: 2
FL_PLACE_POSITION	Value: 4
FL_PLACE_SIZE	Value: 8
FL_PLACE_GEOMETRY	Value: 16
FL_PLACE_ASPECT	Value: 32
FL_PLACE_FULLSCREEN	Value: 64
FL_PLACE_HOTSPOT	Value: 128
FL_PLACE_ICONIC	Value: 256
FL_FREE_SIZE	Value: 16384
FL_FIX_SIZE	Value: 32768
FL_PLACE_FREE_CENTER	Value: 16386
FL_PLACE_CENTERFREE	Value: 16386
PLACE_list	Value: [0, 1, 2, 4, 8, 16, 32, 64, 128, 256, 16384, 32768, 16386...]
FL_FULLBORDER	Value: 1
FL_TRANSIENT	Value: 2
FL_NOBORDER	Value: 3
DECORATION_list	Value: [1, 2, 3]
FL_NO_BOX	Value: 0
FL_UP_BOX	Value: 1
FL_DOWN_BOX	Value: 2
FL_BORDER_BOX	Value: 3
FL_SHADOW_BOX	Value: 4
FL_FRAME_BOX	Value: 5
FL_ROUNDED_BOX	Value: 6
FL_EMBOSSSED_BOX	Value: 7
FL_FLAT_BOX	Value: 8
FL_RFLAT_BOX	Value: 9
FL_RSHADOW_BOX	Value: 10

*continued on next page*

Name	Description
FL_OVAL_BOX	Value: 11
FL_ROUNDED3D_UPBOX	Value: 12
FL_ROUNDED3D_DOWNBOX	Value: 13
FL_OVAL3D_UPBOX	Value: 14
FL_OVAL3D_DOWNBOX	Value: 15
FL_OVAL3D_FRAMEBOX	Value: 16
FL_OVAL3D_EMBOSSEDBOX	Value: 17
FL_TOPTAB_UPBOX	Value: 18
FL_SELECTED_TOPTAB_UPBOX	Value: 19
FL_BOTTOMTAB_UPBOX	Value: 20
FL_SELECTED_BOTTOMTAB_UPBOX	Value: 21
FL_MAX_BOX_STYLES	Value: 23
BOXTYPE_list	Value: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16...]
FL_ALIGN_CENTER	Value: 0
FL_ALIGN_TOP	Value: 1
FL_ALIGN_BOTTOM	Value: 2
FL_ALIGN_LEFT	Value: 4
FL_ALIGN_RIGHT	Value: 8
FL_ALIGN_LEFT_TOP	Value: 5
FL_ALIGN_RIGHT_TOP	Value: 9
FL_ALIGN_LEFT_BOTTOM	Value: 6
FL_ALIGN_RIGHT_BOTTOM	Value: 10
FL_ALIGN_INSIDE	Value: 8192
FL_ALIGN_VERT	Value: 16384
FL_ALIGN_TOP_LEFT	Value: 5
FL_ALIGN_TOP_RIGHT	Value: 9
FL_ALIGN_BOTTOM_LEFT	Value: 6
FL_ALIGN_BOTTOM_RIGHT	Value: 10
ALIGN_list	Value: [0, 1, 2, 4, 8, 5, 9, 6, 10, 8192, 16384]

*continued on next page*

Name	Description
FL_MBUTTON1	Value: 1
FL_MBUTTON2	Value: 2
FL_MBUTTON3	Value: 3
FL_MBUTTON4	Value: 4
FL_MBUTTON5	Value: 5
FL_LEFT_MOUSE	Value: 1
FL_MIDDLE_MOUSE	Value: 2
FL_RIGHT_MOUSE	Value: 3
FL_SCROLLUP_MOUSE	Value: 4
FL_SCROLLDOWN_MOUSE	Value: 5
FL_LEFTMOUSE	Value: 1
FL_MIDDLEMOUSE	Value: 2
FL_RIGHTMOUSE	Value: 3
FL_SCROLLUPMOUSE	Value: 4
FL_SCROLLDOWNMOUSE	Value: 5
MOUSEBTN_list	Value: [1, 2, 3, 4, 5, 1, 2, 3, 4, 5, 1, 2, 3, 4, 5]
FL_RETURN_NONE	Value: 0
FL_RETURN_CHANGED	Value: 1
FL_RETURN_END	Value: 2
FL_RETURN_END_CHANGED	Value: 4
FL_RETURN_SELECTION	Value: 8
FL_RETURN_DESELECTION	Value: 16
FL_RETURN_TRIGGERED	Value: 1024
FL_RETURN_ALWAYS	Value: -5
RETURN_list	Value: [0, 1, 2, 4, 8, 16, 1024, -5]
FL_BLACK	Value: 0
FL_RED	Value: 1
FL_GREEN	Value: 2
FL_YELLOW	Value: 3
FL_BLUE	Value: 4
FL_MAGENTA	Value: 5
FL_CYAN	Value: 6
FL_WHITE	Value: 7
FL_TOMATO	Value: 8
FL_INDIANRED	Value: 9

*continued on next page*

Name	Description
FL_SLATEBLUE	Value: 10
FL_COL1	Value: 11
FL_RIGHT_BCOL	Value: 12
FL_BOTTOM_BCOL	Value: 13
FL_TOP_BCOL	Value: 14
FL_LEFT_BCOL	Value: 15
FL_MCOL	Value: 16
FL_INACTIVE	Value: 17
FL_PALEGREEN	Value: 18
FL_DARKGOLD	Value: 19
FL_ORCHID	Value: 20
FL_DARKCYAN	Value: 21
FL_DARKTOMATO	Value: 22
FL_WHEAT	Value: 23
FL_DARKORANGE	Value: 24
FL_DEEPPINK	Value: 25
FL_CHARTREUSE	Value: 26
FL_DARKVIOLET	Value: 27
FL_SPRINGGREEN	Value: 28
FL_DODGERBLUE	Value: 29
FL_LIGHTER_COL1	Value: 30
FL_DARKER_COL1	Value: 31
FL_ALICEBLUE	Value: 32
FL_ANTIQUWHITE	Value: 33
FL_AQUA	Value: 34
FL_AQUAMARINE	Value: 35
FL_AZURE	Value: 36
FL_BEIGE	Value: 37
FL_BISQUE	Value: 38
FL_BLANCHEDALMOND	Value: 39
FL_BLUEVIOLET	Value: 40
FL_BROWN	Value: 41
FL_BURLYWOOD	Value: 42
FL_CADETBLUE	Value: 43
FL_CHOCOLATE	Value: 44
FL_CORAL	Value: 45
FL_CORNFLOWERBLUE	Value: 46
FL_CORNSILK	Value: 47
FL_CRIMSON	Value: 48
FL_DARKBLUE	Value: 49

*continued on next page*

Name	Description
FL_DARKGOLDENROD	Value: 50
FL_DARKGRAY	Value: 51
FL_DARKGREEN	Value: 52
FL_DARKGREY	Value: 53
FL_DARKKHAKI	Value: 54
FL_DARKMAGENTA	Value: 55
FL_DARKOLIVEGREEN	Value: 56
FL_DARKORCHID	Value: 57
FL_DARKRED	Value: 58
FL_DARKSALMON	Value: 59
FL_DARKSEAGREEN	Value: 60
FL_DARKSLATEBLUE	Value: 61
FL_DARKSLATEGRAY	Value: 62
FL_DARKSLATEGREY	Value: 63
FL_DARKTURQUOISE	Value: 64
FL_DEEPSKYBLUE	Value: 65
FL_DIMGRAY	Value: 66
FL_DIMGREY	Value: 67
FL_FIREBRICK	Value: 68
FL_FLORALWHITE	Value: 69
FL_FORESTGREEN	Value: 70
FL_FUCHSIA	Value: 71
FL_GAINSBORO	Value: 72
FL_GHOSTWHITE	Value: 73
FL_GOLD	Value: 74
FL_GOLDENROD	Value: 75
FL_GRAY	Value: 76
FL_GREENYELLOW	Value: 77
FL_GREY	Value: 78
FL_HONEYDEW	Value: 79
FL_HOTPINK	Value: 80
FL_INDIGO	Value: 81
FL_IVORY	Value: 82
FL_KHAKI	Value: 83
FL_LAVENDER	Value: 84
FL_LAVENDERBLUSH	Value: 85
FL_LAWNGREEN	Value: 86
FL_LEMONCHIFFON	Value: 87
FL_LIGHTBLUE	Value: 88
FL_LIGHTCORAL	Value: 89
FL_LIGHTCYAN	Value: 90
FL_LIGHTGOLDENROD-YELLOW	Value: 91

*continued on next page*

Name	Description
FL_LIGHTGRAY	Value: 92
FL_LIGHTGREEN	Value: 93
FL_LIGHTGREY	Value: 94
FL_LIGHTPINK	Value: 95
FL_LIGHTSALMON	Value: 96
FL_LIGHTSEAGREEN	Value: 97
FL_LIGHTSKYBLUE	Value: 98
FL_LIGHTSLATEGRAY	Value: 99
FL_LIGHTSLATEGREY	Value: 100
FL_LIGHTSTEELBLUE	Value: 101
FL_LIGHTYELLOW	Value: 102
FL_LIME	Value: 103
FL_LIMEGREEN	Value: 104
FL_LINEN	Value: 105
FL_MAROON	Value: 106
FL_MEDIUMAQUAMAR- INE	Value: 107
FL_MEDIUMBLUE	Value: 108
FL_MEDIUMMORCHID	Value: 109
FL_MEDIUMPURPLE	Value: 110
FL_MEDIUMSEAGREEN	Value: 111
FL_MEDIUMSLATEBLU- E	Value: 112
FL_MEDIUMSPRINGGR- EEN	Value: 113
FL_MEDIUMTURQUOIS- E	Value: 114
FL_MEDIUMVIOLETRE- D	Value: 115
FL_MIDNIGHTBLUE	Value: 116
FL_MINTCREAM	Value: 117
FL_MISTYROSE	Value: 118
FL_MOCCASIN	Value: 119
FL_NAVAJOWHITE	Value: 120
FL_NAVY	Value: 121
FL_OLDLACE	Value: 122
FL_OLIVE	Value: 123
FL_OLIVEDRAB	Value: 124
FL_ORANGE	Value: 125
FL_ORANGERED	Value: 126
FL_PALEGOLDENROD	Value: 127
FL_PALETURQUOISE	Value: 128

*continued on next page*

Name	Description
FL_PALEVIOLETRED	Value: 129
FL_PAPAYAWHIP	Value: 130
FL_PEACHPUFF	Value: 131
FL_PERU	Value: 132
FL_PINK	Value: 133
FL_PLUM	Value: 134
FL_POWDERBLUE	Value: 135
FL_PURPLE	Value: 136
FL_ROSYBROWN	Value: 137
FL_ROYALBLUE	Value: 138
FL_SADDLEBROWN	Value: 139
FL_SALMON	Value: 140
FL_SANDYBROWN	Value: 141
FL_SEAGREEN	Value: 142
FL_SEASHELL	Value: 143
FL_SIENNA	Value: 144
FL_SILVER	Value: 145
FL_SKYBLUE	Value: 146
FL_SLATEGRAY	Value: 147
FL_SLATEGREY	Value: 148
FL_SNOW	Value: 149
FL_STEELBLUE	Value: 150
FL_TAN	Value: 151
FL_TEAL	Value: 152
FL_THISTLE	Value: 153
FL_TURQUOISE	Value: 154
FL_VIOLET	Value: 155
FL_WHITESMOKE	Value: 156
FL_YELLOWGREEN	Value: 157
FL_FREE_COL1	Value: 256
FL_FREE_COL2	Value: 257
FL_FREE_COL3	Value: 258
FL_FREE_COL4	Value: 259
FL_FREE_COL5	Value: 260
FL_FREE_COL6	Value: 261
FL_FREE_COL7	Value: 262
FL_FREE_COL8	Value: 263
FL_FREE_COL9	Value: 264
FL_FREE_COL10	Value: 265
FL_FREE_COL11	Value: 266
FL_FREE_COL12	Value: 267
FL_FREE_COL13	Value: 268

*continued on next page*



Name	Description
FL_FREE_COL14	Value: 269
FL_FREE_COL15	Value: 270
FL_FREE_COL16	Value: 271
FL_NOCOLOR	Value: 2147483647
FL_BUILT_IN_COLS	Value: 158
FL_INACTIVE_COL	Value: 17
FL_GRAY16	Value: 12
FL_GRAY35	Value: 13
FL_GRAY80	Value: 14
FL_GRAY90	Value: 15
FL_GRAY63	Value: 11
FL_GRAY75	Value: 16
FL_LCOL	Value: 0
FL_NoColor	Value: 2147483647
FL_DOKERBLUE	Value: 29
COLOR_list	Value: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16...
FL_NOEVENT	Value: 0
FL_DRAW	Value: 1
FL_PUSH	Value: 2
FL_RELEASE	Value: 3
FL_ENTER	Value: 4
FL_LEAVE	Value: 5
FL_MOTION	Value: 6
FL_FOCUS	Value: 7
FL_UNFOCUS	Value: 8
FL_KEYPRESS	Value: 9
FL_UPDATE	Value: 10
FL_STEP	Value: 11
FL_SHORTCUT	Value: 12
FL_FREEMEM	Value: 13
FL_OTHER	Value: 14
FL_DRAWLABEL	Value: 15
FL_DBLCLICK	Value: 16
FL_TRPLCLICK	Value: 17
FL_ATTRIB	Value: 18
FL_KEYRELEASE	Value: 19
FL_PS	Value: 20
FL_MOVEORIGIN	Value: 21
FL_RESIZED	Value: 22
FL_MOVE	Value: 6
FL_KEYBOARD	Value: 9

*continued on next page*

Name	Description
FL_MOUSE	Value: 10
FL_RESIZE_NONE	Value: 0
FL_RESIZE_X	Value: 1
FL_RESIZE_Y	Value: 2
FL_RESIZE_ALL	Value: 3
RESIZE_list	Value: [0, 1, 2, 3]
FL_KEY_NORMAL	Value: 1
FL_KEY_TAB	Value: 2
FL_KEY_SPECIAL	Value: 4
FL_KEY_ALL	Value: 7
FL_ALT_MASK	Value: 33554432
FL_CONTROL_MASK	Value: 67108864
FL_SHIFT_MASK	Value: 134217728
FL_ALT_VAL	Value: 33554432
MAX_SHORTCUTS	Value: 8
KEY_list	Value: [1, 2, 4, 7, 33554432, 67108864, 134217728]
FL_PUP_NONE	Value: 0
FL_PUP_GREY	Value: 1
FL_PUP_BOX	Value: 2
FL_PUP_CHECK	Value: 4
FL_PUP_RADIO	Value: 8
FL_PUP_GRAY	Value: 1
FL_PUP_TOGGLE	Value: 2
FL_PUP_INACTIVE	Value: 1
PUP_list	Value: [0, 1, 2, 4, 8, 1, 2, 1]
FL_MAXFONTS	Value: 48
FL_INVALID_STYLE	Value: -1
FL_NORMAL_STYLE	Value: 0
FL_BOLD_STYLE	Value: 1
FL_ITALIC_STYLE	Value: 2
FL_BOLDITALIC_STYLE	Value: 3
FL_FIXED_STYLE	Value: 4
FL_FIXEDBOLD_STYLE	Value: 5
FL_FIXEDITALIC_STYLE	Value: 6
FL_FIXEDBOLDITALIC_STYLE	Value: 7
FL_TIMES_STYLE	Value: 8
FL_TIMESBOLD_STYLE	Value: 9
FL_TIMESITALIC_STYLE	Value: 10

*continued on next page*

Name	Description
FL_TIMESBOLDITALIC_STYLE	Value: 11
FL_MISC_STYLE	Value: 12
FL_MISCBOLD_STYLE	Value: 13
FL_MISCITALIC_STYLE	Value: 14
FL_SYMBOL_STYLE	Value: 15
FL_SHADOW_STYLE	Value: 512
FL_ENGRAVED_STYLE	Value: 1024
FL_EMBOSSED_STYLE	Value: 2048
TEXTSTYLE_list	Value: [-1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15...]
FL_TINY_SIZE	Value: 8
FL_SMALL_SIZE	Value: 10
FL_NORMAL_SIZE	Value: 12
FL_MEDIUM_SIZE	Value: 14
FL_LARGE_SIZE	Value: 18
FL_HUGE_SIZE	Value: 24
FL_DEFAULT_SIZE	Value: 10
SIZE_list	Value: [8, 10, 12, 14, 18, 24, 10]
FL_TINY_FONT	Value: 8
FL_SMALL_FONT	Value: 10
FL_NORMAL_FONT	Value: 12
FL_MEDIUM_FONT	Value: 14
FL_LARGE_FONT	Value: 18
FL_HUGE_FONT	Value: 24
FL_NORMAL_FONT1	Value: 10
FL_NORMAL_FONT2	Value: 12
FL_DEFAULT_FONT	Value: 10
FL_BOUND_WIDTH	Value: c_int(1)
FL_CLICK_TIMEOUT	Value: 400
FL_BEING_HIDDEN	Value: -1
FL_HIDDEN	Value: 0
FL_INVISIBLE	Value: 0
FL_VISIBLE	Value: 1
VISIBLE_list	Value: [-1, 0, 0, 1]
FL_READ	Value: 1
FL_WRITE	Value: 2
FL_EXCEPT	Value: 4
ASYNCIO_list	Value: [1, 2, 4]
FL_MAX_MENU_CHOICE_ITEMS	Value: 128
FL_XOR	Value: 6

*continued on next page*

Name	Description
FL_COPY	Value: 3
FL_AND	Value: 1
DRAWMODE_list	Value: [6, 3, 1]
FL_MINDEPTH	Value: 1
FL_IllegalVisual	Value: -1
FL_StaticGray	Value: 0
FL_GrayScale	Value: 1
FL_StaticColor	Value: 2
FL_PseudoColor	Value: 3
FL_TrueColor	Value: 4
FL_DirectColor	Value: 5
FL_DefaultVisual	Value: 10
TrueColor	Value: 4
DirectColor	Value: 5
GrayScale	Value: 1
GreyScale	Value: 1
StaticGray	Value: 0
StaticGrey	Value: 0
FL_North	Value: 2
FL_NorthEast	Value: 3
FL_NorthWest	Value: 1
FL_South	Value: 8
FL_SouthEast	Value: 9
FL_SouthWest	Value: 7
FL_East	Value: 6
FL_West	Value: 4
FL_NoGravity	Value: 0
FL_ForgetGravity	Value: 0
GRAVITY_list	Value: [2, 3, 1, 8, 9, 7, 6, 4, 0, 0]
FL_MAX_COLORS	Value: 1024
FL_MAX_COLS	Value: 1024
FL_MAX_FONTSIZES	Value: 10
FL_SOLID	Value: 0
FL_USERDASH	Value: 1
FL_USERDOUBLEDASH	Value: 2
FL_DOT	Value: 3
FL_DOTDASH	Value: 4
FL_DASH	Value: 5
FL_LONGDASH	Value: 6
LINE_list	Value: [0, 1, 2, 3, 4, 5, 6]
NoEventMask	Value: 0
KeyPressMask	Value: 1

*continued on next page*

Name	Description
KeyReleaseMask	Value: 2
ButtonPressMask	Value: 4
ButtonReleaseMask	Value: 8
EnterWindowMask	Value: 16
LeaveWindowMask	Value: 32
PointerMotionMask	Value: 64
PointerMotionHintMask	Value: 128
Button1MotionMask	Value: 256
Button2MotionMask	Value: 512
Button3MotionMask	Value: 1024
Button4MotionMask	Value: 2048
Button5MotionMask	Value: 4096
ButtonMotionMask	Value: 8192
KeymapStateMask	Value: 16384
ExposureMask	Value: 32768
VisibilityChangeMask	Value: 65536
StructureNotifyMask	Value: 131072
ResizeRedirectMask	Value: 262144
SubstructureNotifyMask	Value: 524288
SubstructureRedirectMask	Value: 1048576
FocusChangeMask	Value: 2097152
ColormapChangeMask	Value: 8388608
OwnerGrabButtonMask	Value: 16777216
ShiftMask	Value: 1
LockMask	Value: 2
ControlMask	Value: 4
Mod1Mask	Value: 8
Mod2Mask	Value: 16
Mod3Mask	Value: 32
Mod4Mask	Value: 64
Mod5Mask	Value: 128
Button1Mask	Value: 256
Button2Mask	Value: 512
Button3Mask	Value: 1024
Button4Mask	Value: 2048
Button5Mask	Value: 4096
AnyModifier	Value: 32768
FL_ALL_EVENT	Value: 8319
FL_NONE	Value: 0
FL_SHORT	Value: 10
FL_BOOL	Value: 11
FL_INT	Value: 12

*continued on next page*

Name	Description
FL_LONG	Value: 13
FL_FLOAT	Value: 14
FL_STRING	Value: 15
RTYPE_list	Value: [0, 10, 11, 12, 13, 14, 15]
XrmoptionNoArg	Value: 0
XrmoptionIsArg	Value: 1
XrmoptionStickyArg	Value: 2
XrmoptionSepArg	Value: 3
XrmoptionResArg	Value: 4
XrmoptionSkipArg	Value: 5
XrmoptionSkipLine	Value: 6
XrmoptionSkipNArgs	Value: 7
my_fl_iopt	Value: FL_IOPT()
buttonLabelSize	Value: 0
sliderLabelSize	Value: 0
inputLabelSize	Value: 0
FL_PDDepth	Value: 2
FL_PDClass	Value: 4
FL_PDDouble	Value: 8
FL_PDSync	Value: 16
FL_PDPrivateMap	Value: 32
FL_PDSScrollbarType	Value: 64
FL_PDPupFontSize	Value: 128
FL_PDButtonFontSize	Value: 256
FL_PDInputFontSize	Value: 512
FL_PDSliderFontSize	Value: 1024
FL_PDVisual	Value: 2048
FL_PDULThickness	Value: 4096
FL_PDULPropWidth	Value: 8192
FL_PDBS	Value: 16384
FL_PDCoordUnit	Value: 32768
FL_PDDebug	Value: 65536
FL_PDSharedMap	Value: 131072
FL_PDStandardMap	Value: 262144
FL_PDBorderWidth	Value: 524288
FL_PDSafe	Value: 1048576
FL_PDMenuFontSize	Value: 2097152
FL_PDBrowserFontSize	Value: 4194304
FL_PDChoiceFontSize	Value: 8388608
FL_PDLabelFontSize	Value: 16777216
FL_PDButtonLabelSize	Value: 256
FL_PDSliderLabelSize	Value: 1024

*continued on next page*

Name	Description
FL_PDInputLabelSize	Value: 512
FL_PDButtonLabel	Value: 256
FL_POPUP_NORMAL_SELECT	Value: 0
FL_POPUP_DRAG_SELECT	Value: 1
FL_POPUP_NONE	Value: 0
FL_POPUP_DISABLED	Value: 1
FL_POPUP_HIDDEN	Value: 2
FL_POPUP_CHECKED	Value: 4
FL_POPUP_NORMAL	Value: 0
FL_POPUP_TOGGLE	Value: 1
FL_POPUP_RADIO	Value: 2
FL_POPUP_SUB	Value: 3
FL_POPUP_LINE	Value: 4
FL_POPUP_BACKGROUND_COLOR	Value: 0
FL_POPUP_HIGHLIGHT_COLOR	Value: 1
FL_POPUP_TITLE_COLOR	Value: 2
FL_POPUP_TEXT_COLOR	Value: 3
FL_POPUP_HIGHLIGHT_TEXT_COLOR	Value: 4
FL_POPUP_DISABLED_TEXT_COLOR	Value: 5
FL_POPUP_RADIO_COLOR	Value: 6
FL_NORMAL_BITMAP	Value: 0
BITMAPTYPE_list	Value: [0]
FL_BITMAP_BOXTYPE	Value: 0
FL_BITMAP_COL1	Value: 11
FL_BITMAP_COL2	Value: 11
FL_BITMAP_LCOL	Value: 0
FL_BITMAP_ALIGN	Value: 2
FL_NORMAL_PIXMAP	Value: 0
PIXMAPTYPE_list	Value: [0]
FL_NORMAL_BROWSER	Value: 0
FL_SELECT_BROWSER	Value: 1
FL_HOLD_BROWSER	Value: 2

*continued on next page*

Name	Description
FL_MULTI_BROWSER	Value: 3
BROWSETYPE_list	Value: [0, 1, 2, 3]
FL_BROWSER_BOXTYPE	Value: 2
FL_BROWSER_COL1	Value: 11
FL_BROWSER_COL2	Value: 3
FL_BROWSER_LCOL	Value: 0
FL_BROWSER_ALIGN	Value: 2
FL_BROWSER_SLCOL	Value: 11
FL_BROWSER_FONTSIZE	Value: 10
FL_BROWSER_LINELENGTH	Value: 2147483647
FL_NORMAL_BUTTON	Value: 0
FL_PUSH_BUTTON	Value: 1
FL_RADIO_BUTTON	Value: 2
FL_HIDDEN_BUTTON	Value: 3
FL_TOUCH_BUTTON	Value: 4
FL_INOUT_BUTTON	Value: 5
FL_RETURN_BUTTON	Value: 6
FL_HIDDEN_RET_BUTTON	Value: 7
FL_MENU_BUTTON	Value: 8
FL_TOGGLE_BUTTON	Value: 1
BTNTYPE_list	Value: [0, 1, 2, 3, 4, 5, 6, 7, 8, 1]
FL_BUTTON_BOXTYPE	Value: 1
FL_BUTTON_COL1	Value: 11
FL_BUTTON_COL2	Value: 11
FL_BUTTON_LCOL	Value: 0
FL_BUTTON_ALIGN	Value: 0
FL_BUTTON_MCOL1	Value: 16
FL_BUTTON_MCOL2	Value: 16
FL_BUTTON_BW	Value: c_int(1)
FL_LIGHTBUTTON_BOXTYPE	Value: 1
FL_LIGHTBUTTON_COL1	Value: 11
FL_LIGHTBUTTON_COL2	Value: 3
FL_LIGHTBUTTON_LCOL	Value: 0
FL_LIGHTBUTTON_ALIGN	Value: 0

*continued on next page*



Name	Description
FL_LIGHTBUTTON_TOPCOL	Value: 11
FL_LIGHTBUTTON_MC- OL	Value: 16
FL_LIGHTBUTTON_MI- NSIZE	Value: 12
FL_ROUND3DBUTTON_B- OXTYPE	Value: 0
FL_ROUND3DBUTTON_C- OL1	Value: 16
FL_ROUND3DBUTTON_C- OL2	Value: 3
FL_ROUND3DBUTTON_LC- OL	Value: 0
FL_ROUND3DBUTTON_AL- IGN	Value: 0
FL_ROUND3DBUTTON_T- OPCOL	Value: 11
FL_ROUND3DBUTTON_M- COL	Value: 16
FL_ROUND3DBUTTON_- BOXTYPE	Value: 0
FL_ROUND3DBUTTON_- COL1	Value: 11
FL_ROUND3DBUTTON_- COL2	Value: 0
FL_ROUND3DBUTTON_- LCOL	Value: 0
FL_ROUND3DBUTTON_- ALIGN	Value: 0
FL_ROUND3DBUTTON_- TOPCOL	Value: 11
FL_ROUND3DBUTTON_- MCOL	Value: 16
FL_CHECKBUTTON_BO- XTYPE	Value: 0
FL_CHECKBUTTON_CO- L1	Value: 11
FL_CHECKBUTTON_CO- L2	Value: 3
FL_CHECKBUTTON_LC- OL	Value: 0

*continued on next page*

Name	Description
FL_CHECKBUTTON_ALIGN	Value: 0
FL_CHECKBUTTON_TOPCOL	Value: 11
FL_CHECKBUTTON_MCOL	Value: 16
FL_BITMAPBUTTON_BOXTYPE	Value: 1
FL_BITMAPBUTTON_COL1	Value: 11
FL_BITMAPBUTTON_COL2	Value: 4
FL_BITMAPBUTTON_LCOL	Value: 0
FL_BITMAPBUTTON_ALIGN	Value: 2
FL_PIXMAPBUTTON_BOXTYPE	Value: 1
FL_PIXMAPBUTTON_COL1	Value: 11
FL_PIXMAPBUTTON_COL2	Value: 11
FL_PIXMAPBUTTON_LCOL	Value: 0
FL_PIXMAPBUTTON_MCOL1	Value: 16
FL_PIXMAPBUTTON_MCOL2	Value: 16
FL_PIXMAPBUTTON_ALIGN	Value: 2
FL_NORMAL_CANVAS	Value: 0
FL_SCROLLED_CANVAS	Value: 1
CANVASTYPE_list	Value: [0, 1]
FL_CANVAS_BOXTYPE	Value: 2
FL_CANVAS_ALIGN	Value: 1
FL_BAR_CHART	Value: 0
FL_HORBAR_CHART	Value: 1
FL_LINE_CHART	Value: 2
FL_FILL_CHART	Value: 3
FL_SPIKE_CHART	Value: 4
FL_PIE_CHART	Value: 5

*continued on next page*

Name	Description
FL_SPECIALPIE_CHART	Value: 6
FL_FILLED_CHART	Value: 3
CHARTTYPE_list	Value: [0, 1, 2, 3, 4, 5, 6, 3]
FL_CHART_BOXTYPE	Value: 3
FL_CHART_COL1	Value: 11
FL_CHART_LCOL	Value: 0
FL_CHART_ALIGN	Value: 2
FL_CHART_MAX	Value: 2048
FL_NORMAL_CHOICE	Value: 0
FL_NORMAL_CHOICE2	Value: 1
FL_DROPLIST_CHOICE	Value: 2
FL_BROWSER_CHOICE	Value: 3
FL_SIMPLE_CHOICE	Value: 0
CHOICETYPE_list	Value: [0, 1, 2, 3, 0]
FL_CHOICE_BOXTYPE	Value: 6
FL_CHOICE_COL1	Value: 11
FL_CHOICE_COL2	Value: 0
FL_CHOICE_LCOL	Value: 0
FL_CHOICE_ALIGN	Value: 4
FL_CHOICE_MCOL	Value: 16
FL_CHOICE_MAXITEMS	Value: 128
FL_ANALOG_CLOCK	Value: 0
FL_DIGITAL_CLOCK	Value: 1
CLOCKTYPE_list	Value: [0, 1]
FL_CLOCK_BOXTYPE	Value: 1
FL_CLOCK_COL1	Value: 17
FL_CLOCK_COL2	Value: 13
FL_CLOCK_LCOL	Value: 0
FL_CLOCK_ALIGN	Value: 2
FL_CLOCK_TOPCOL	Value: 11
FL_NORMAL_COUNTER	Value: 0
FL_SIMPLE_COUNTER	Value: 1
COUNTERTYPE_list	Value: [0, 1]
FL_COUNTER_BOXTYPE	Value: 1
FL_COUNTER_COL1	Value: 11
FL_COUNTER_COL2	Value: 4
FL_COUNTER_LCOL	Value: 0
FL_COUNTER_ALIGN	Value: 2

*continued on next page*

Name	Description
FL_COUNTER_BW	Value: 0
XC_num_glyphs	Value: 154
XC_X_cursor	Value: 0
XC_arrow	Value: 2
XC_based_arrow_down	Value: 4
XC_based_arrow_up	Value: 6
XC_boat	Value: 8
XC_bogosity	Value: 10
XC_bottom_left_corner	Value: 12
XC_bottom_right_corner	Value: 14
XC_bottom_side	Value: 16
XC_bottom_tee	Value: 18
XC_box_spiral	Value: 20
XC_center_ptr	Value: 22
XC_circle	Value: 24
XC_clock	Value: 26
XC_coffee_mug	Value: 28
XC_cross	Value: 30
XC_cross_reverse	Value: 32
XC_crosshair	Value: 34
XC_diamond_cross	Value: 36
XC_dot	Value: 38
XC_dotbox	Value: 40
XC_double_arrow	Value: 42
XC_draft_large	Value: 44
XC_draft_small	Value: 46
XC_draped_box	Value: 48
XC_fleur	Value: 52
XC_gobbler	Value: 54
XC_gumby	Value: 56
XC_hand1	Value: 58
XC_hand2	Value: 60
XC_heart	Value: 62
XC_icon	Value: 64
XC_iron_cross	Value: 66
XC_left_ptr	Value: 68
XC_left_side	Value: 70
XC_left_tee	Value: 72
XC_leftbutton	Value: 74
XC_ll_angle	Value: 76
XC_lr_angle	Value: 78
XC_man	Value: 80

*continued on next page*

Name	Description
XC_middlebutton	Value: 82
XC_mouse	Value: 84
XC_pencil	Value: 86
XC_pirate	Value: 88
XC_plus	Value: 90
XC_question_arrow	Value: 92
XC_right_ptr	Value: 94
XC_right_side	Value: 96
XC_right_tee	Value: 98
XC_rightbutton	Value: 100
XC_rtl_logo	Value: 102
XC_sailboat	Value: 104
XC_sb_down_arrow	Value: 106
XC_sb_h_double_arrow	Value: 108
XC_sb_left_arrow	Value: 110
XC_sb_right_arrow	Value: 112
XC_sb_up_arrow	Value: 114
XC_sb_v_double_arrow	Value: 116
XC_shuttle	Value: 118
XC_sizing	Value: 120
XC_spider	Value: 122
XC_spraycan	Value: 124
XC_star	Value: 126
XC_target	Value: 128
XC_tcross	Value: 130
XC_top_left_arrow	Value: 132
XC_top_left_corner	Value: 134
XC_top_right_corner	Value: 136
XC_top_side	Value: 138
XC_top_tee	Value: 140
XC_trek	Value: 142
XC_ul_angle	Value: 144
XC_umbrella	Value: 146
XC_ur_angle	Value: 148
XC_watch	Value: 150
XC_xterm	Value: 152
XCursors_list	Value: [2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, ...]
FL_INVISIBLE_CURSOR	Value: -2
FL_DEFAULT_CURSOR	Value: -1
FL_BUSY_CURSOR	Value: 150
FL_CROSSHAIR_CURSOR	Value: 130

*continued on next page*

Name	Description
FL_KILL_CURSOR	Value: 88
FL_NWARROW_CURSOR	Value: 132
FL_NEARROW_CURSOR	Value: 2
XC_invisible	Value: -2
Cursors_list	Value: [-2, -1, 150, 130, 88, 132, 2]
FL_NORMAL_DIAL	Value: 0
FL_LINE_DIAL	Value: 1
FL_FILL_DIAL	Value: 2
DIALTYPE_list	Value: [0, 1, 2]
FL_DIAL_CW	Value: 0
FL_DIAL_CCW	Value: 1
FL_DIAL_BOXTYPE	Value: 8
FL_DIAL_COL1	Value: 11
FL_DIAL_COL2	Value: 12
FL_DIAL_LCOL	Value: 0
FL_DIAL_ALIGN	Value: 2
FL_DIAL_TOPCOL	Value: 11
FT_FILE	Value: 0
FT_DIR	Value: 1
FT_LINK	Value: 2
FT SOCK	Value: 3
FT_FIFO	Value: 4
FT_BLK	Value: 5
FT_CHR	Value: 6
FT_OTHER	Value: 7
FL_ALPHASORT	Value: 1
FL_RALPHASORT	Value: 2
FL_MTIMESORT	Value: 3
FL_RMTIMESORT	Value: 4
FL_SIZESORT	Value: 5
FL_RSIZESORT	Value: 6
FL_CASEALPHASORT	Value: 7
FL_RCASEALPHASORT	Value: 8
FLPS_AUTO	Value: 0
FLPS_LANDSCAPE	Value: 1
FLPS_PORTRAIT	Value: 2
FLPS_BESTFIT	Value: 3
FLPS_BW	Value: -1
FLPS_GRAYSCALE	Value: 0
FLPS_COLOR	Value: 1

*continued on next page*

Name	Description
FL_NORMAL_FORMBROWSER	Value: 0
FORMBRWSTYPE_list	Value: [0]
FL_SMOOTH_SCROLL	Value: 0
FL_JUMP_SCROLL	Value: 1
FL_FORMBROWSER_BOXTYPE	Value: 2
FL_FORMBROWSER_COL1	Value: 11
FL_FORMBROWSER_ALIGN	Value: 1
FL_NO_FRAME	Value: 0
FL_UP_FRAME	Value: 1
FL_DOWN_FRAME	Value: 2
FL_BORDER_FRAME	Value: 3
FL_SHADOW_FRAME	Value: 4
FL_ENGRAVED_FRAME	Value: 5
FL_ROUNDED_FRAME	Value: 6
FL_EMBOSSED_FRAME	Value: 7
FL_OVAL_FRAME	Value: 8
FRAMETYPE_list	Value: [0, 1, 2, 3, 4, 5, 6, 7, 8]
FL_FRAME_COL1	Value: 0
FL_FRAME_COL2	Value: 11
FL_FRAME_LCOL	Value: 0
FL_NORMAL_FREE	Value: 0
FL_INACTIVE_FREE	Value: 1
FL_INPUT_FREE	Value: 2
FL_CONTINUOUS_FREE	Value: 3
FL_ALL_FREE	Value: 4
FL_SLEEPING_FREE	Value: 1
FREETYPE_list	Value: [0, 1, 2, 3, 4, 1]
FLAlertDismissLabel	Value: 'flAlert.dismiss.label'
FLAlertTitle	Value: 'flAlert.title'
FLQuestionYesLabel	Value: 'flQuestion.yes.label'
FLQuestionNoLabel	Value: 'flQuestion.no.label'
FLQuestionTitle	Value: 'flQuestion.title'
FLOKLabel	Value: 'flInput.ok.label'
FLInputClearLabel	Value: 'flInput.clear.label'
FLInputCancelLabel	Value: 'flInput.cancel.label'
FLInputTitle	Value: 'flInput.title'
FLChoiceTitle	Value: 'flChoice.title'

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Name	Description
FL_MAX_FSELECTOR	Value: 6
FL_NORMAL_INPUT	Value: 0
FL_FLOAT_INPUT	Value: 1
FL_INT_INPUT	Value: 2
FL_DATE_INPUT	Value: 3
FL_MULTILINE_INPUT	Value: 4
FL_HIDDEN_INPUT	Value: 5
FL_SECRET_INPUT	Value: 6
INPUTTYPE_list	Value: [0, 1, 2, 3, 4, 5, 6]
FL_INPUT_MMDD	Value: 0
FL_INPUT_DDMM	Value: 1
FL_INPUT_BOXTYPE	Value: 2
FL_INPUT_COL1	Value: 11
FL_INPUT_COL2	Value: 16
FL_INPUT_LCOL	Value: 0
FL_INPUT_ALIGN	Value: 4
FL_INPUT_TCOL	Value: 0
FL_INPUT_CCOL	Value: 4
FL_RINGBELL	Value: 16
FL_TOUCH_MENU	Value: 0
FL_PUSH_MENU	Value: 1
FL_PULLDOWN_MENU	Value: 2
MENUTYPE_list	Value: [0, 1, 2]
FL_MENU_BOXTYPE	Value: 3
FL_MENU_COL1	Value: 11
FL_MENU_COL2	Value: 16
FL_MENU_LCOL	Value: 0
FL_MENU_ALIGN	Value: 0
FL_MENU_MAXITEMS	Value: 128
FL_MENU_MAXSTR	Value: 64
FL_NORMAL_NMENU	Value: 0
FL_NORMAL_TOUCH_NMENU	Value: 1
FL_BUTTON_NMENU	Value: 2
FL_BUTTON_TOUCH_NMENU	Value: 3
NMENUTYPE_list	Value: [0, 1, 2, 3]
FL_NORMAL_POSITIONER	Value: 0
FL_OVERLAY_POSITIONER	Value: 1
FL_INVISIBLE_POSITIONER	Value: 2

*continued on next page*



Name	Description
POSITIONERTYPE_list	Value: [0, 1, 2]
FL_POSITIONER_BOXTYPE	Value: 2
FL_POSITIONER_COL1	Value: 11
FL_POSITIONER_COL2	Value: 1
FL_POSITIONER_LCOL	Value: 0
FL_POSITIONER_ALIGN	Value: 2
FL_VERT_SCROLLBAR	Value: 0
FL_HOR_SCROLLBAR	Value: 1
FL_VERT_THIN_SCROLLBAR	Value: 2
FL_HOR_THIN_SCROLLBAR	Value: 3
FL_VERT_NICE_SCROLLBAR	Value: 4
FL_HOR_NICE_SCROLLBAR	Value: 5
FL_VERT_PLAIN_SCROLLBAR	Value: 6
FL_HOR_PLAIN_SCROLLBAR	Value: 7
FL_HOR_BASIC_SCROLLBAR	Value: 7
FL_VERT_BASIC_SCROLLBAR	Value: 6
FL_NORMAL_SCROLLBAR	Value: 0
FL_THIN_SCROLLBAR	Value: 1
FL_NICE_SCROLLBAR	Value: 2
FL_PLAIN_SCROLLBAR	Value: 3
SCROLLTYPE_list	Value: [0, 1, 2, 3, 4, 5, 6, 7, 7, 6, 0, 1, 2, 3]
FL_NORMAL_SELECT	Value: 0
FL_MENU_SELECT	Value: 1
FL_DROPLIST_SELECT	Value: 2
SELECTTYPE_list	Value: [0, 1, 2]
FL_SELECT_COL1	Value: 11
FL_SELECT_COL2	Value: 16
FL_SELECT_LCOL	Value: 0
FL_SELECT_ALIGN	Value: 4
FL_HOR_FLAG	Value: 1

*continued on next page*

Name	Description
FL_SCROLL_FLAG	Value: 8
FL_VERT_SLIDER	Value: 0
FL_HOR_SLIDER	Value: 1
FL_VERT_FILL_SLIDER	Value: 2
FL_HOR_FILL_SLIDER	Value: 3
FL_VERT_NICE_SLIDER	Value: 4
FL_HOR_NICE_SLIDER	Value: 5
FL_VERT_BROWSER_SLIDER	Value: 6
FL_HOR_BROWSER_SLIDER	Value: 7
FL_VERT_BROWSER_SLIDER2	Value: 8
FL_HOR_BROWSER_SLIDER2	Value: 9
FL_VERT_THIN_SLIDER	Value: 10
FL_HOR_THIN_SLIDER	Value: 11
FL_VERT_NICE_SLIDER2	Value: 12
FL_HOR_NICE_SLIDER2	Value: 13
FL_VERT_BASIC_SLIDER	Value: 14
FL_HOR_BASIC_SLIDER	Value: 15
SLIDERTYPE_list	Value: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14...]
FL_SLIDER_BW1	Value: <code>c_int(1)</code>
FL_SLIDER_BW2	Value: 0
FL_SLIDER_BOXTYPE	Value: 2
FL_SLIDER_COL1	Value: 11
FL_SLIDER_COL2	Value: 11
FL_SLIDER_LCOL	Value: 0
FL_SLIDER_ALIGN	Value: 2
FL_SLIDER_FINE	Value: 0.25
FL_SLIDER_WIDTH	Value: 0.1
FL_INT_SPINNER	Value: 0
FL_FLOAT_SPINNER	Value: 1
SPINNERTYPE_list	Value: [0, 1]
FL_TOP_TABFOLDER	Value: 0
FL_BOTTOM_TABFOLDER	Value: 1
FL_LEFT_TABFOLDER	Value: 2
FL_RIGHT_TABFOLDER	Value: 3

*continued on next page*

Name	Description
FL_NORMAL_TABFOLDER	Value: 0
TABFOLDERTYPE_list	Value: [0, 1, 2, 3, 0]
FL_NO	Value: 0
FL_FIT	Value: 1
FL_ENLARGE_ONLY	Value: 2
FL_NORMAL_TEXT	Value: 0
TEXTTYPE_list	Value: [0]
FL_TEXT_BOXTYPE	Value: 8
FL_TEXT_COL1	Value: 11
FL_TEXT_COL2	Value: 16
FL_TEXT_LCOL	Value: 0
FL_TEXT_ALIGN	Value: 4
FL_VERT_THUMBWHEEL	Value: 0
FL_HOR_THUMBWHEEL	Value: 1
THUMBWHEELTYPE_list	Value: [0, 1]
FL_THUMBWHEEL_COL1	Value: 11
FL_THUMBWHEEL_COL2	Value: 11
FL_THUMBWHEEL_LCOL	Value: 0
FL_THUMBWHEEL_BOXTYPE	Value: 3
FL_THUMBWHEEL_ALIGN	Value: 2
FL_NORMAL_TIMER	Value: 0
FL_VALUE_TIMER	Value: 1
FL_HIDDEN_TIMER	Value: 2
TIMERTYPE_list	Value: [0, 1, 2]
FL_TIMER_BOXTYPE	Value: 2
FL_TIMER_COL1	Value: 11
FL_TIMER_COL2	Value: 1
FL_TIMER_LCOL	Value: 0
FL_TIMER_ALIGN	Value: 0
FL_TIMER_BLINKRATE	Value: 0.2
FL_MAXPUPI	Value: 128
FL_PUP_PADH	Value: 4
FL_NORMAL_XY_PLOT	Value: 0

*continued on next page*

Name	Description
FL_SQUARE_XYPLOT	Value: 1
FL_CIRCLE_XYPLOT	Value: 2
FL_FILL_XYPLOT	Value: 3
FL_POINTS_XYPLOT	Value: 4
FL_DASHED_XYPLOT	Value: 5
FL_IMPULSE_XYPLOT	Value: 6
FL_ACTIVE_XYPLOT	Value: 7
FL_EMPTY_XYPLOT	Value: 8
FL_DOTTED_XYPLOT	Value: 9
FL_DOTDASHED_XYPL- OT	Value: 10
FL_LONGDASHED_XYP- LOT	Value: 11
FL_LINEPOINTS_XYPL- OT	Value: 12
XYPLOTTYPE_list	Value: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
FL_LINEAR	Value: 0
FL_LOG	Value: 1
FL_GRID_NONE	Value: 0
FL_GRID_MAJOR	Value: 1
FL_GRID_MINOR	Value: 2
FL_XYPLOT_BOXTYPE	Value: 8
FL_XYPLOT_COL1	Value: 11
FL_XYPLOT_LCOL	Value: 0
FL_XYPLOT_ALIGN	Value: 2
FL_MAX_XYPLOTOVE- RLAY	Value: 32
FL_FALSE	Value: 0
FL_TRUE	Value: True
FL_IMAGE_NONE	Value: 0
FL_IMAGE_MONO	Value: 1
FL_IMAGE_GRAY	Value: 2
FL_IMAGE_CI	Value: 4
FL_IMAGE_RGB	Value: 8
FL_IMAGE_PACKED	Value: 16
FL_IMAGE_GRAY16	Value: 32
FL_IMAGE_RGB16	Value: 64
FL_IMAGE_FLEX	Value: 1023
FLIMAGE_NONE	Value: 0
FLIMAGE_MONO	Value: 1
FLIMAGE_GRAY	Value: 2

*continued on next page*

Name	Description
FLIMAGE_CI	Value: 4
FLIMAGE_RGB	Value: 8
FLIMAGE_PACKED	Value: 16
FLIMAGE_GRAY16	Value: 32
FLIMAGE_RGB16	Value: 64
FLIMAGE_FLEX	Value: 1023
FL_PCBITS	Value: 8
FL_PCMAx	Value: 255
FL_RMASK	Value: 255
FL_RSHIFT	Value: 0
FL_GMASK	Value: 65280
FL_GSHIFT	Value: 8
FL_BMASK	Value: 16711680
FL_BSHIFT	Value: 16
FL_AMASK	Value: 4278190080
FL_ASHIFT	Value: 24
FL_LUTBITS	Value: 12
FLIMAGE_AUTOCOLOR	Value: 2147483647
FLIMAGE_BADCOLOR	Value: 2147483647
FLIMAGE_REPFREQ	Value: 31
FLIMAGE_ERR_NONE	Value: 0
FLIMAGE_ERR_ALLOC	Value: -50
FLIMAGE_ERR_INVALID	Value: -49
FLIMAGE_ERR_ARGUMENT	Value: -48
FLIMAGE_ERR_FILE	Value: -47
FLIMAGE_ERR_INTERNAL	Value: -46
FLIMAGE_ERR_UNKNOWN	Value: -45
FLIMAGE_WRITABLE	Value: 2
FLIMAGE_READABLE	Value: 1
FLIMAGE_SHARPEN	Value: cty.pointer(cty.pointer(cty.c_int(-1)))
FLIMAGE_SMOOTH	Value: cty.pointer(cty.pointer(cty.c_int(-2)))
FL_SMOOTH	Value: cty.pointer(cty.pointer(cty.c_int(-2)))
FL_SHARPEN	Value: cty.pointer(cty.pointer(cty.c_int(-1)))

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Name	Description
FLIMAGE_NOSUBPIXEL	Value: 0
FLIMAGE_SUBPIXEL	Value: 1
FLIMAGE_CENTER	Value: 2
FLIMAGE_RIGHT	Value: 8
FLIMAGE_ASPECT	Value: 32
FLIMAGE_NOCENTER	Value: 5
KeyPress	Value: 2
KeyRelease	Value: 3
ButtonPress	Value: 4
ButtonRelease	Value: 5
MotionNotify	Value: 6
EnterNotify	Value: 7
LeaveNotify	Value: 8
FocusIn	Value: 9
FocusOut	Value: 10
KeymapNotify	Value: 11
Expose	Value: 12
GraphicsExpose	Value: 13
NoExpose	Value: 14
VisibilityNotify	Value: 15
CreateNotify	Value: 16
DestroyNotify	Value: 17
UnmapNotify	Value: 18
MapNotify	Value: 19
MapRequest	Value: 20
ReparentNotify	Value: 21
ConfigureNotify	Value: 22
ConfigureRequest	Value: 23
GravityNotify	Value: 24
ResizeRequest	Value: 25
CirculateNotify	Value: 26
CirculateRequest	Value: 27
PropertyNotify	Value: 28
SelectionClear	Value: 29
SelectionRequest	Value: 30
SelectionNotify	Value: 31
EXITVAL	Value: 255
--package--	Value: 'xformslib'

## 2.2 Class `FL_PUP_ENTRY`



### 2.2.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.2.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.2.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('text', &lt;class 'ctypes.c_char_p'&gt;), ('callback', &lt;class...</code>
<code>callback</code>	<b>Value:</b> <code>&lt;Field type=CFunctionType, ofs=8, size=8&gt;</code>
<code>mode</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=24, size=4&gt;</code>

*continued on next page*

Name	Description
shortcut	<b>Value:</b> <Field type=c_char_p, ofs=16, size=8>
text	<b>Value:</b> <Field type=c_char_p, ofs=0, size=8>

## 2.3 Class `FL_PUP_ENTRY`



### 2.3.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??.CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.3.2 Properties

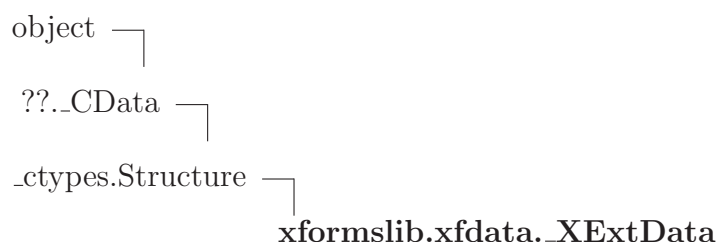
Name	Description
<i>Inherited from <code>??.CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.3.3 Class Variables



Name	Description
<code>_fields_</code>	<b>Value:</b> [('text', <class 'ctypes.c_char_p'>), ('callback', <class...
<code>callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=8, size=8>
<code>mode</code>	<b>Value:</b> <Field type=c_int, ofs=24, size=4>
<code>shortcut</code>	<b>Value:</b> <Field type=c_char_p, ofs=16, size=8>
<code>text</code>	<b>Value:</b> <Field type=c_char_p, ofs=0, size=8>

## 2.4 Class `_XExtData`



### 2.4.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.4.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	

*continued on next page*

Name	Description
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.4.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('number', <class 'ctypes.c_int'>), ('next', <class 'xfo...
<code>free_private</code>	<b>Value:</b> <Field type=CFunctionType, ofs=16, size=8>
<code>next</code>	<b>Value:</b> <Field type=LP__XExtData, ofs=8, size=8>
<code>number</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>private_data</code>	<b>Value:</b> <Field type=c_char_p, ofs=24, size=8>

## 2.5 Class Visual



### 2.5.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.5.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.5.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('ext_data', &lt;class 'xformslib.xfdata.LP_XExtData'&gt;), (...</code>
<code>bits_per_rgb</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>blue_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>c_class</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>ext_data</code>	<b>Value:</b> <code>&lt;Field type=LP_XExtData, ofs=0, size=8&gt;</code>
<code>green_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>map_entries</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=52, size=4&gt;</code>
<code>red_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=24, size=8&gt;</code>
<code>visualid</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>

## 2.6 Class XVisualInfo



### 2.6.1 Methods

*Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

*Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

*Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.6.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

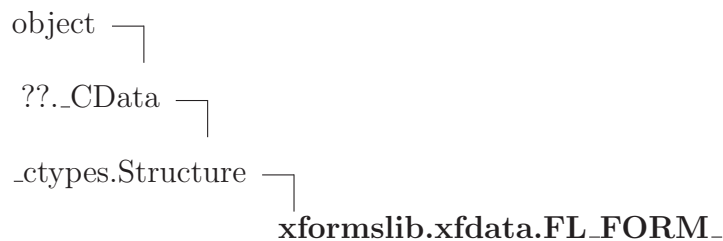
### 2.6.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('visual', <class 'xformslib.xfdata.LP_Visual'>), ('visu...]
<code>bits_per_rgb</code>	<b>Value:</b> <Field type=c_int, ofs=60, size=4>
<code>blue_mask</code>	<b>Value:</b> <Field type=c_ulong, ofs=48, size=8>

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Name	Description
<code>c_class</code>	Value: <Field type=c_int, ofs=24, size=4>
<code>colormap_size</code>	Value: <Field type=c_int, ofs=56, size=4>
<code>depth</code>	Value: <Field type=c_int, ofs=20, size=4>
<code>green_mask</code>	Value: <Field type=c_ulong, ofs=40, size=8>
<code>red_mask</code>	Value: <Field type=c_ulong, ofs=32, size=8>
<code>screen</code>	Value: <Field type=c_int, ofs=16, size=4>
<code>visual</code>	Value: <Field type=LP_Visual, ofs=0, size=8>
<code>visualid</code>	Value: <Field type=c_ulong, ofs=8, size=8>

## 2.7 Class `FL_FORM`



### 2.7.1 Methods

#### *Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

#### *Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.7.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.7.3 Class Variables**

Name	Description
<code>_pack_</code>	<b>Value:</b> 4
<code>_fields_</code>	<b>Value:</b> [('fdui', <class 'ctypes.c_void_p'>), ('u_vdata', <class ...
<code>activate_callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=132, size=8>
<code>activate_data</code>	<b>Value:</b> <Field type=c_void_p, ofs=156, size=8>
<code>all_callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=204, size=8>
<code>attach_data</code>	<b>Value:</b> <Field type=c_void_p, ofs=344, size=8>
<code>attached</code>	<b>Value:</b> <Field type=c_int, ofs=332, size=4>
<code>child</code>	<b>Value:</b> <Field type=LP_FL_FORM_, ofs=316, size=8>
<code>close_callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=228, size=8>
<code>close_data</code>	<b>Value:</b> <Field type=c_void_p, ofs=236, size=8>
<code>compress_mask</code>	<b>Value:</b> <Field type=c_ulong, ofs=212, size=8>
<code>crossing_callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=188, size=8>
<code>deactivate_callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=140, size=8>
<code>deactivate_data</code>	<b>Value:</b> <Field type=c_void_p, ofs=164, size=8>
<code>deactivated</code>	<b>Value:</b> <Field type=c_int, ofs=272, size=4>
<code>evmask</code>	<b>Value:</b> <Field type=c_ulong, ofs=220, size=8>

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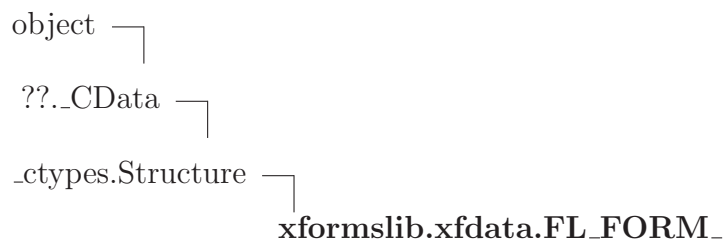
Name	Description
fdui	Value: <Field type=c_void_p, ofs=0, size=8>
first	Value: <Field type=LP_FL_OBJECT_, ofs=100, size=8>
flpixmap	Value: <Field type=LP_FL_pixmap_, ofs=244, size=8>
focusobj	Value: <Field type=LP_FL_OBJECT_, ofs=116, size=8>
form_callback	Value: <Field type=CFunctionType, ofs=124, size=8>
form_cb_data	Value: <Field type=c_void_p, ofs=148, size=8>
frozen	Value: <Field type=c_int, ofs=280, size=4>
h	Value: <Field type=c_int, ofs=60, size=4>
h_hr	Value: <Field type=c_double, ofs=92, size=8>
handle_dec_x	Value: <Field type=c_int, ofs=68, size=4>
handle_dec_y	Value: <Field type=c_int, ofs=72, size=4>
has_auto_objects	Value: <Field type=c_int, ofs=296, size=4>
hotx	Value: <Field type=c_int, ofs=76, size=4>
hoty	Value: <Field type=c_int, ofs=80, size=4>
icon_mask	Value: <Field type=c_ulong, ofs=260, size=8>
icon_pixmap	Value: <Field type=c_ulong, ofs=252, size=8>
in_redraw	Value: <Field type=c_int, ofs=64, size=4>
key_callback	Value: <Field type=CFunctionType, ofs=172, size=8>
label	Value: <Field type=c_char_p, ofs=32, size=8>
last	Value: <Field type=LP_FL_OBJECT_, ofs=108, size=8>
motion_callback	Value: <Field type=CFunctionType, ofs=196, size=8>

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Name	Description
no_tooltip	Value: <Field type=c_int, ofs=352, size=4>
parent	Value: <Field type=LP_FL_FORM_, ofs=308, size=8>
parent_obj	Value: <Field type=LP_FL_OBJECT_, ofs=324, size=8>
pre_attach	Value: <Field type=CFunctionType, ofs=336, size=8>
prop	Value: <Field type=c_uint, ofs=292, size=4>
push_callback	Value: <Field type=CFunctionType, ofs=180, size=8>
sort_of_modal	Value: <Field type=c_int, ofs=304, size=4>
top	Value: <Field type=c_int, ofs=300, size=4>
u_cdata	Value: <Field type=c_char_p, ofs=16, size=8>
u_ldata	Value: <Field type=c_long, ofs=24, size=8>
u_vdata	Value: <Field type=c_void_p, ofs=8, size=8>
use_pixmap	Value: <Field type=c_int, ofs=276, size=4>
visible	Value: <Field type=c_int, ofs=284, size=4>
vmode	Value: <Field type=c_int, ofs=268, size=4>
w	Value: <Field type=c_int, ofs=56, size=4>
w_hr	Value: <Field type=c_double, ofs=84, size=8>
window	Value: <Field type=c_ulong, ofs=40, size=8>
wm_border	Value: <Field type=c_int, ofs=288, size=4>
x	Value: <Field type=c_int, ofs=48, size=4>
y	Value: <Field type=c_int, ofs=52, size=4>



## 2.8 Class `FL_FORM`



### 2.8.1 Methods

#### *Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

#### *Inherited from `??._CData`*

`__ctype_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.8.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.8.3 Class Variables

Name	Description
<code>_pack_</code>	<b>Value:</b> 4
<code>_fields_</code>	<b>Value:</b> [('fdui', <class 'ctypes.c_void_p'>), ('u_vdata', <class ...
<code>activate_callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=132, size=8>
<code>activate_data</code>	<b>Value:</b> <Field type=c_void_p, ofs=156, size=8>

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Name	Description
all_callback	Value: <Field type=CFunctionType, ofs=204, size=8>
attach_data	Value: <Field type=c_void_p, ofs=344, size=8>
attached	Value: <Field type=c_int, ofs=332, size=4>
child	Value: <Field type=LP_FL_FORM_, ofs=316, size=8>
close_callback	Value: <Field type=CFunctionType, ofs=228, size=8>
close_data	Value: <Field type=c_void_p, ofs=236, size=8>
compress_mask	Value: <Field type=c_ulong, ofs=212, size=8>
crossing_callback	Value: <Field type=CFunctionType, ofs=188, size=8>
deactivate_callback	Value: <Field type=CFunctionType, ofs=140, size=8>
deactivate_data	Value: <Field type=c_void_p, ofs=164, size=8>
deactivated	Value: <Field type=c_int, ofs=272, size=4>
evmask	Value: <Field type=c_ulong, ofs=220, size=8>
fdui	Value: <Field type=c_void_p, ofs=0, size=8>
first	Value: <Field type=LP_FL_OBJECT_, ofs=100, size=8>
flpixmap	Value: <Field type=LP_FL_pixmap_, ofs=244, size=8>
focusobj	Value: <Field type=LP_FL_OBJECT_, ofs=116, size=8>
form_callback	Value: <Field type=CFunctionType, ofs=124, size=8>
form_cb_data	Value: <Field type=c_void_p, ofs=148, size=8>
frozen	Value: <Field type=c_int, ofs=280, size=4>
h	Value: <Field type=c_int, ofs=60, size=4>
h_hr	Value: <Field type=c_double, ofs=92, size=8>

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Name	Description
handle_dec_x	Value: <Field type=c_int, ofs=68, size=4>
handle_dec_y	Value: <Field type=c_int, ofs=72, size=4>
has_auto_objects	Value: <Field type=c_int, ofs=296, size=4>
hotx	Value: <Field type=c_int, ofs=76, size=4>
hoty	Value: <Field type=c_int, ofs=80, size=4>
icon_mask	Value: <Field type=c_ulong, ofs=260, size=8>
icon_pixmap	Value: <Field type=c_ulong, ofs=252, size=8>
in_redraw	Value: <Field type=c_int, ofs=64, size=4>
key_callback	Value: <Field type=CFunctionType, ofs=172, size=8>
label	Value: <Field type=c_char_p, ofs=32, size=8>
last	Value: <Field type=LP_FL_OBJECT_, ofs=108, size=8>
motion_callback	Value: <Field type=CFunctionType, ofs=196, size=8>
no_tooltip	Value: <Field type=c_int, ofs=352, size=4>
parent	Value: <Field type=LP_FL_FORM_, ofs=308, size=8>
parent_obj	Value: <Field type=LP_FL_OBJECT_, ofs=324, size=8>
pre_attach	Value: <Field type=CFunctionType, ofs=336, size=8>
prop	Value: <Field type=c_uint, ofs=292, size=4>
push_callback	Value: <Field type=CFunctionType, ofs=180, size=8>
sort_of_modal	Value: <Field type=c_int, ofs=304, size=4>
top	Value: <Field type=c_int, ofs=300, size=4>
u_cdata	Value: <Field type=c_char_p, ofs=16, size=8>

*continued on next page*

Name	Description
<code>u_ldata</code>	Value: <Field type=c_long, ofs=24, size=8>
<code>u_vdata</code>	Value: <Field type=c_void_p, ofs=8, size=8>
<code>use_pixmap</code>	Value: <Field type=c_int, ofs=276, size=4>
<code>visible</code>	Value: <Field type=c_int, ofs=284, size=4>
<code>vmode</code>	Value: <Field type=c_int, ofs=268, size=4>
<code>w</code>	Value: <Field type=c_int, ofs=56, size=4>
<code>w_hr</code>	Value: <Field type=c_double, ofs=84, size=8>
<code>window</code>	Value: <Field type=c_ulong, ofs=40, size=8>
<code>wm.border</code>	Value: <Field type=c_int, ofs=288, size=4>
<code>x</code>	Value: <Field type=c_int, ofs=48, size=4>
<code>y</code>	Value: <Field type=c_int, ofs=52, size=4>

## 2.9 Class `FL_OBJECT_`



### 2.9.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.9.2 Properties**

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.9.3 Class Variables**

Name	Description
<code>_pack_</code>	<b>Value:</b> 4
<code>_fields_</code>	<b>Value:</b> [('form', <class 'xformslib.xfdata.LP_FL_FORM_>'), ( <code>'u_vd...</code>
<code>active</code>	<b>Value:</b> <Field type=c_int, ofs=324, size=4>
<code>align</code>	<b>Value:</b> <Field type=c_int, ofs=160, size=4>
<code>argument</code>	<b>Value:</b> <Field type=c_long, ofs=196, size=8>
<code>automatic</code>	<b>Value:</b> <Field type=c_int, ofs=340, size=4>
<code>belowmouse</code>	<b>Value:</b> <Field type=c_int, ofs=320, size=4>
<code>boxtype</code>	<b>Value:</b> <Field type=c_int, ofs=40, size=4>
<code>bw</code>	<b>Value:</b> <Field type=c_int, ofs=124, size=4>
<code>c_cdata</code>	<b>Value:</b> <Field type=c_char_p, ofs=376, size=8>
<code>c_ldata</code>	<b>Value:</b> <Field type=c_long, ofs=384, size=8>
<code>c_vdata</code>	<b>Value:</b> <Field type=c_void_p, ofs=368, size=8>
<code>child</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=272, size=8>

*continued on next page*

Name	Description
click_timeout	Value: <Field type=c_ulong, ofs=360, size=8>
clip	Value: <Field type=c_int, ofs=356, size=4>
col1	Value: <Field type=c_ulong, ofs=128, size=8>
col2	Value: <Field type=c_ulong, ofs=136, size=8>
dbl_background	Value: <Field type=c_ulong, ofs=392, size=8>
double_buffer	Value: <Field type=c_int, ofs=308, size=4>
fb1	Value: <Field type=c_double, ofs=84, size=8>
fb2	Value: <Field type=c_double, ofs=116, size=8>
fl1	Value: <Field type=c_double, ofs=60, size=8>
fl2	Value: <Field type=c_double, ofs=92, size=8>
flpixmap	Value: <Field type=LP_FL_pixmap_, ofs=288, size=8>
focus	Value: <Field type=c_int, ofs=316, size=4>
form	Value: <Field type=LP_FL_FORM_, ofs=0, size=8>
fr1	Value: <Field type=c_double, ofs=68, size=8>
fr2	Value: <Field type=c_double, ofs=100, size=8>
ft1	Value: <Field type=c_double, ofs=76, size=8>
ft2	Value: <Field type=c_double, ofs=108, size=8>
group_id	Value: <Field type=c_int, ofs=412, size=4>
h	Value: <Field type=c_int, ofs=56, size=4>
handle	Value: <Field type=CFunctionType, ofs=180, size=8>
how_return	Value: <Field type=c_int, ofs=304, size=4>

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Name	Description
input	Value: <Field type=c_int, ofs=328, size=4>
is_under	Value: <Field type=c_int, ofs=352, size=4>
label	Value: <Field type=c_char_p, ofs=144, size=8>
lcol	Value: <Field type=c_ulong, ofs=152, size=8>
lsize	Value: <Field type=c_int, ofs=164, size=4>
lstyle	Value: <Field type=c_int, ofs=168, size=4>
nc	Value: <Field type=LP_FL_OBJECT_, ofs=280, size=8>
next	Value: <Field type=LP_FL_OBJECT_, ofs=256, size=8>
nwgravity	Value: <Field type=c_uint, ofs=240, size=4>
objclass	Value: <Field type=c_int, ofs=32, size=4>
object_callback	Value: <Field type=CFunctionType, ofs=188, size=8>
parent	Value: <Field type=LP_FL_OBJECT_, ofs=264, size=8>
posthandle	Value: <Field type=CFunctionType, ofs=220, size=8>
prehandle	Value: <Field type=CFunctionType, ofs=212, size=8>
prev	Value: <Field type=LP_FL_OBJECT_, ofs=248, size=8>
pushed	Value: <Field type=c_int, ofs=312, size=4>
radio	Value: <Field type=c_int, ofs=336, size=4>
redraw	Value: <Field type=c_int, ofs=344, size=4>
resize	Value: <Field type=c_uint, ofs=236, size=4>
returned	Value: <Field type=c_int, ofs=300, size=4>
sgravity	Value: <Field type=c_uint, ofs=244, size=4>

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Name	Description
set_return	Value: <Field type=CFunctionType, ofs=228, size=8>
shortcut	Value: <Field type=LP_c_long, ofs=172, size=8>
spec	Value: <Field type=c_void_p, ofs=204, size=8>
tipID	Value: <Field type=c_int, ofs=408, size=4>
tooltip	Value: <Field type=c_char_p, ofs=400, size=8>
type	Value: <Field type=c_int, ofs=36, size=4>
u_cdata	Value: <Field type=c_char_p, ofs=16, size=8>
u_ldata	Value: <Field type=c_long, ofs=24, size=8>
u_vdata	Value: <Field type=c_void_p, ofs=8, size=8>
use_pixmap	Value: <Field type=c_int, ofs=296, size=4>
visible	Value: <Field type=c_int, ofs=348, size=4>
w	Value: <Field type=c_int, ofs=52, size=4>
want_motion	Value: <Field type=c_int, ofs=416, size=4>
want_update	Value: <Field type=c_int, ofs=420, size=4>
wantkey	Value: <Field type=c_int, ofs=332, size=4>
x	Value: <Field type=c_int, ofs=44, size=4>
y	Value: <Field type=c_int, ofs=48, size=4>



## 2.10 Class `FL_OBJECT_`



### 2.10.1 Methods

#### *Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

#### *Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.10.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.10.3 Class Variables

Name	Description
<code>_pack_</code>	<b>Value:</b> 4
<code>_fields_</code>	<b>Value:</b> [('form', <class 'xformslib.xfdata.LP_FL_FORM_>), ('u_vd...]
<code>active</code>	<b>Value:</b> <Field type=c_int, ofs=324, size=4>
<code>align</code>	<b>Value:</b> <Field type=c_int, ofs=160, size=4>

*continued on next page*

Name	Description
argument	Value: <Field type=c_long, ofs=196, size=8>
automatic	Value: <Field type=c_int, ofs=340, size=4>
belowmouse	Value: <Field type=c_int, ofs=320, size=4>
boxtype	Value: <Field type=c_int, ofs=40, size=4>
bw	Value: <Field type=c_int, ofs=124, size=4>
c_cdata	Value: <Field type=c_char_p, ofs=376, size=8>
c_ldata	Value: <Field type=c_long, ofs=384, size=8>
c_vdata	Value: <Field type=c_void_p, ofs=368, size=8>
child	Value: <Field type=LP_FL_OBJECT_, ofs=272, size=8>
click_timeout	Value: <Field type=c_ulong, ofs=360, size=8>
clip	Value: <Field type=c_int, ofs=356, size=4>
col1	Value: <Field type=c_ulong, ofs=128, size=8>
col2	Value: <Field type=c_ulong, ofs=136, size=8>
dbl_background	Value: <Field type=c_ulong, ofs=392, size=8>
double_buffer	Value: <Field type=c_int, ofs=308, size=4>
fb1	Value: <Field type=c_double, ofs=84, size=8>
fb2	Value: <Field type=c_double, ofs=116, size=8>
fl1	Value: <Field type=c_double, ofs=60, size=8>
fl2	Value: <Field type=c_double, ofs=92, size=8>
flpixmap	Value: <Field type=LP_FL_pixmap_, ofs=288, size=8>
focus	Value: <Field type=c_int, ofs=316, size=4>

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Name	Description
form	Value: <Field type=LP_FL_FORM_, ofs=0, size=8>
fr1	Value: <Field type=c_double, ofs=68, size=8>
fr2	Value: <Field type=c_double, ofs=100, size=8>
ft1	Value: <Field type=c_double, ofs=76, size=8>
ft2	Value: <Field type=c_double, ofs=108, size=8>
group_id	Value: <Field type=c_int, ofs=412, size=4>
h	Value: <Field type=c_int, ofs=56, size=4>
handle	Value: <Field type=CFunctionType, ofs=180, size=8>
how_return	Value: <Field type=c_int, ofs=304, size=4>
input	Value: <Field type=c_int, ofs=328, size=4>
is_under	Value: <Field type=c_int, ofs=352, size=4>
label	Value: <Field type=c_char_p, ofs=144, size=8>
lcol	Value: <Field type=c_ulong, ofs=152, size=8>
lsize	Value: <Field type=c_int, ofs=164, size=4>
lstyle	Value: <Field type=c_int, ofs=168, size=4>
nc	Value: <Field type=LP_FL_OBJECT_, ofs=280, size=8>
next	Value: <Field type=LP_FL_OBJECT_, ofs=256, size=8>
nwgravity	Value: <Field type=c_uint, ofs=240, size=4>
objclass	Value: <Field type=c_int, ofs=32, size=4>
object_callback	Value: <Field type=CFunctionType, ofs=188, size=8>
parent	Value: <Field type=LP_FL_OBJECT_, ofs=264, size=8>

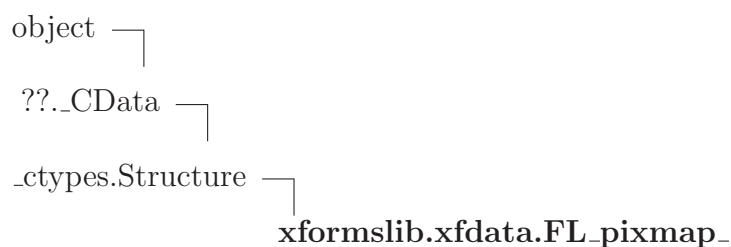
*continued on next page*

Name	Description
posthandle	Value: <Field type=CFunctionType, ofs=220, size=8>
prehandle	Value: <Field type=CFunctionType, ofs=212, size=8>
prev	Value: <Field type=LP_FL_OBJECT_, ofs=248, size=8>
pushed	Value: <Field type=c_int, ofs=312, size=4>
radio	Value: <Field type=c_int, ofs=336, size=4>
redraw	Value: <Field type=c_int, ofs=344, size=4>
resize	Value: <Field type=c_uint, ofs=236, size=4>
returned	Value: <Field type=c_int, ofs=300, size=4>
segravity	Value: <Field type=c_uint, ofs=244, size=4>
set_return	Value: <Field type=CFunctionType, ofs=228, size=8>
shortcut	Value: <Field type=LP_c_long, ofs=172, size=8>
spec	Value: <Field type=c_void_p, ofs=204, size=8>
tipID	Value: <Field type=c_int, ofs=408, size=4>
tooltip	Value: <Field type=c_char_p, ofs=400, size=8>
type	Value: <Field type=c_int, ofs=36, size=4>
u_cdata	Value: <Field type=c_char_p, ofs=16, size=8>
u_ldata	Value: <Field type=c_long, ofs=24, size=8>
u_vdata	Value: <Field type=c_void_p, ofs=8, size=8>
use_pixmap	Value: <Field type=c_int, ofs=296, size=4>
visible	Value: <Field type=c_int, ofs=348, size=4>
w	Value: <Field type=c_int, ofs=52, size=4>

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Name	Description
<code>want_motion</code>	<b>Value:</b> <Field type=c_int, ofs=416, size=4>
<code>want_update</code>	<b>Value:</b> <Field type=c_int, ofs=420, size=4>
<code>wantkey</code>	<b>Value:</b> <Field type=c_int, ofs=332, size=4>
<code>x</code>	<b>Value:</b> <Field type=c_int, ofs=44, size=4>
<code>y</code>	<b>Value:</b> <Field type=c_int, ofs=48, size=4>

## 2.11 Class `FL_pixmap_`



### 2.11.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??.CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.11.2 Properties

Name	Description
<i>Inherited from <code>??.CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	

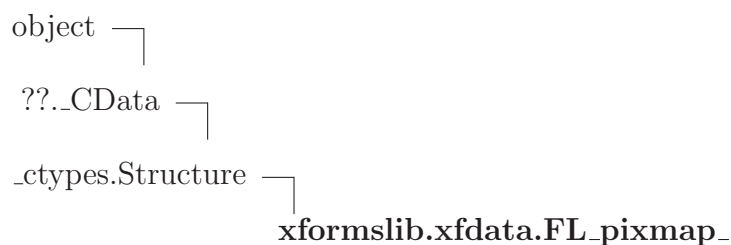
*continued on next page*

Name	Description
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.11.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('pixmap', &lt;class 'ctypes.c_ulong'&gt;), ('win', &lt;class 'ct...</code>
<code>dbl_background</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=48, size=8&gt;</code>
<code>depth</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>h</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>
<code>pixel</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=56, size=8&gt;</code>
<code>pixmap</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=0, size=8&gt;</code>
<code>visual</code>	<b>Value:</b> <code>&lt;Field type=LP_Visual, ofs=16, size=8&gt;</code>
<code>w</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=32, size=4&gt;</code>
<code>win</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=24, size=4&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=28, size=4&gt;</code>

## 2.12 Class `FL_pixmap_`



**2.12.1 Methods*****Inherited from ctypes.Structure***`__init__()`, `__new__()`***Inherited from ??.\_CData***`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`***Inherited from object***`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`**2.12.2 Properties**

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

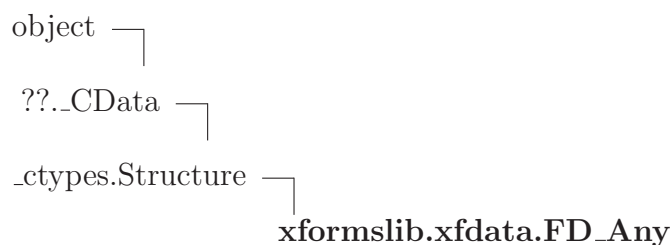
**2.12.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> [('pixmap', <class 'ctypes.c_ulong'>), ('win', <class 'ct...
<code>dbl_background</code>	<b>Value:</b> <Field type=c_ulong, ofs=48, size=8>
<code>depth</code>	<b>Value:</b> <Field type=c_int, ofs=40, size=4>
<code>h</code>	<b>Value:</b> <Field type=c_int, ofs=36, size=4>
<code>pixel</code>	<b>Value:</b> <Field type=c_ulong, ofs=56, size=8>
<code>pixmap</code>	<b>Value:</b> <Field type=c_ulong, ofs=0, size=8>
<code>visual</code>	<b>Value:</b> <Field type=LP_Visual, ofs=16, size=8>
<code>w</code>	<b>Value:</b> <Field type=c_int, ofs=32, size=4>

*continued on next page*

Name	Description
win	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
x	<b>Value:</b> <Field type=c_int, ofs=24, size=4>
y	<b>Value:</b> <Field type=c_int, ofs=28, size=4>

### 2.13 Class *FD\_Any*



#### 2.13.1 Methods

##### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

##### *Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

##### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

#### 2.13.2 Properties

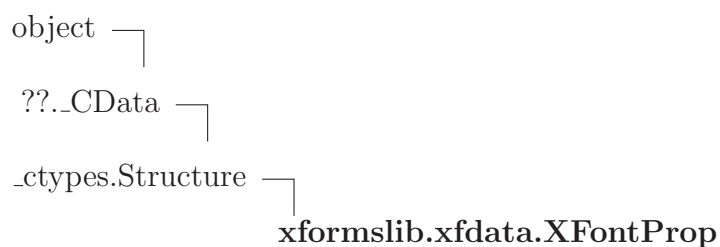
Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

#### 2.13.3 Class Variables



Name	Description
<code>_fields_</code>	<b>Value:</b> [('form', <class 'xformslib.xfdata.LP_FL_FORM_>'), ('vdat...
<code>cdata</code>	<b>Value:</b> <Field type=c_char_p, ofs=16, size=8>
<code>form</code>	<b>Value:</b> <Field type=LP_FL_FORM_, ofs=0, size=8>
<code>ldata</code>	<b>Value:</b> <Field type=c_long, ofs=24, size=8>
<code>vdata</code>	<b>Value:</b> <Field type=c_void_p, ofs=8, size=8>

## 2.14 Class XFontProp



### 2.14.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.14.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	

*continued on next page*

Name	Description
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.14.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('name', <class 'ctypes.c_ulong'>), ('card32', <class 'c...>)]
<code>card32</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>name</code>	<b>Value:</b> <Field type=c_ulong, ofs=0, size=8>

## 2.15 Class XCharStruct



### 2.15.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.15.2 Properties

Name	Description
<i>Inherited from</i> <code>??._CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from</i> <code>object</code>	
<code>__class__</code>	

### 2.15.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('lbearing', &lt;class 'ctypes.c_short'&gt;), ('rbearing', &lt;cl...</code>
<code>ascent</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=6, size=2&gt;</code>
<code>attributes</code>	<b>Value:</b> <code>&lt;Field type=c_ushort, ofs=10, size=2&gt;</code>
<code>descent</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=8, size=2&gt;</code>
<code>lbearing</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=0, size=2&gt;</code>
<code>rbearing</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=2, size=2&gt;</code>
<code>width</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=4, size=2&gt;</code>

## 2.16 Class XFontStruct



### 2.16.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??._CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

#### 2.16.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

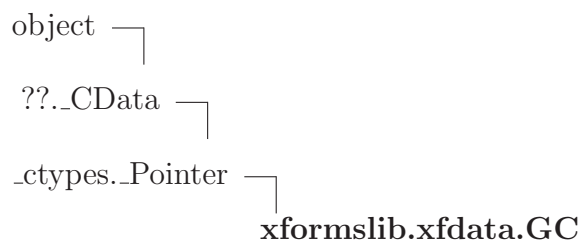
#### 2.16.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('ext_data', &lt;class 'xformslib.xfdata.LP__XExtData'&gt;), (...</code>
<code>all_chars_exist</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>
<code>ascent</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=88, size=4&gt;</code>
<code>default_char</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=40, size=4&gt;</code>
<code>descent</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=92, size=4&gt;</code>
<code>direction</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=16, size=4&gt;</code>
<code>ext_data</code>	<b>Value:</b> <code>&lt;Field type=LP__XExtData, ofs=0, size=8&gt;</code>
<code>fid</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>max_bounds</code>	<b>Value:</b> <code>&lt;Field type=XCharStruct, ofs=68, size=12&gt;</code>
<code>max_byte1</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=32, size=4&gt;</code>
<code>max_char_or_byte2</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=24, size=4&gt;</code>
<code>min_bounds</code>	<b>Value:</b> <code>&lt;Field type=XCharStruct, ofs=56, size=12&gt;</code>

*continued on next page*

Name	Description
min_bytel	<b>Value:</b> <Field type=c_uint, ofs=28, size=4>
min_char_or_byte2	<b>Value:</b> <Field type=c_uint, ofs=20, size=4>
n_properties	<b>Value:</b> <Field type=c_int, ofs=44, size=4>
per_char	<b>Value:</b> <Field type=LP_XCharStruct, ofs=80, size=8>
properties	<b>Value:</b> <Field type=LP_XFontProp, ofs=48, size=8>

## 2.17 Class GC



### 2.17.1 Methods

#### *Inherited from \_ctypes.\_Pointer*

`__delitem__()`, `__getitem__()`, `__getslice__()`, `__init__()`, `__new__()`, `__nonzero__()`, `__setitem__()`

#### *Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

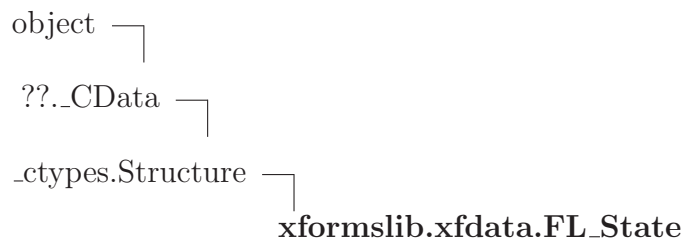
### 2.17.2 Properties

Name	Description
<i>Inherited from _ctypes._Pointer</i> contents	

*continued on next page*

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

## 2.18 Class *FL\_State*



### 2.18.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`_ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.18.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.18.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('xvinfo', &lt;class 'xformslib.xfdata.LP_XVisualInfo'&gt;), (...</code>
<code>bbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8544, size=4&gt;</code>
<code>bmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8540, size=4&gt;</code>
<code>bshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8536, size=4&gt;</code>
<code>colormap</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=16, size=8&gt;</code>
<code>cur_fnt</code>	<b>Value:</b> <code>&lt;Field type=LP_XFontStruct, ofs=8, size=8&gt;</code>
<code>depth</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>
<code>dimmedGC</code>	<b>Value:</b> <code>&lt;Field type=LP_XGC, ofs=312, size=8&gt;</code>
<code>dithered</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>gbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8532, size=4&gt;</code>
<code>gc</code>	<b>Value:</b> <code>&lt;Field type=LP_XGC_Array_16, ofs=56, size=128&gt;</code>
<code>gmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8528, size=4&gt;</code>
<code>gshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8524, size=4&gt;</code>
<code>lut</code>	<b>Value:</b> <code>&lt;Field type=c_ulong_Array_1024, ofs=320, size=8192&gt;</code>
<code>pcm</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>rbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8520, size=4&gt;</code>
<code>rgb_bits</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>rmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8516, size=4&gt;</code>
<code>rshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8512, size=4&gt;</code>
<code>textgc</code>	<b>Value:</b> <code>&lt;Field type=LP_XGC_Array_16, ofs=184, size=128&gt;</code>

*continued on next page*

Name	Description
trailblazer	<b>Value:</b> <Field type=c_ulong, ofs=24, size=8>
vclass	<b>Value:</b> <Field type=c_int, ofs=32, size=4>
xvinfo	<b>Value:</b> <Field type=LP_XVisualInfo, ofs=0, size=8>

## 2.19 Class *FL\_State*



### 2.19.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.19.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.19.3 Class Variables



Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('xvinfo', &lt;class 'xformslib.xfdata.LP_XVisualInfo'&gt;), (...</code>
<code>bbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8544, size=4&gt;</code>
<code>bmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8540, size=4&gt;</code>
<code>bshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8536, size=4&gt;</code>
<code>colormap</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=16, size=8&gt;</code>
<code>cur_fnt</code>	<b>Value:</b> <code>&lt;Field type=LP_XFontStruct, ofs=8, size=8&gt;</code>
<code>depth</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>
<code>dimmedGC</code>	<b>Value:</b> <code>&lt;Field type=LP_XGC, ofs=312, size=8&gt;</code>
<code>dithered</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>gbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8532, size=4&gt;</code>
<code>gc</code>	<b>Value:</b> <code>&lt;Field type=LP_XGC_Array_16, ofs=56, size=128&gt;</code>
<code>gmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8528, size=4&gt;</code>
<code>gshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8524, size=4&gt;</code>
<code>lut</code>	<b>Value:</b> <code>&lt;Field type=c_ulong_Array_1024, ofs=320, size=8192&gt;</code>
<code>pcm</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>rbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8520, size=4&gt;</code>
<code>rgb_bits</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>rmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8516, size=4&gt;</code>
<code>rshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8512, size=4&gt;</code>
<code>textgc</code>	<b>Value:</b> <code>&lt;Field type=LP_XGC_Array_16, ofs=184, size=128&gt;</code>

*continued on next page*

Name	Description
trailblazer	<b>Value:</b> <Field type=c_ulong, ofs=24, size=8>
vclass	<b>Value:</b> <Field type=c_int, ofs=32, size=4>
xvinfo	<b>Value:</b> <Field type=LP_XVisualInfo, ofs=0, size=8>

## 2.20 Class FL\_FONT



### 2.20.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.20.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.20.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('fs', <class 'xformslib.xfdata.LP_XFontStruct_Array_10'...
<code>fname</code>	<b>Value:</b> <Field type=c_char_Array_80, ofs=102, size=80>
<code>fs</code>	<b>Value:</b> <Field type=LP_XFontStruct_Array_10, ofs=0, size=80>
<code>nsiz</code>	<b>Value:</b> <Field type=c_short, ofs=100, size=2>
<code>size</code>	<b>Value:</b> <Field type=c_short_Array_10, ofs=80, size=20>

## 2.21 Class XPoint



### 2.21.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??._CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.21.2 Properties

Name	Description
<i>Inherited from</i> <code>??._CData</code>	

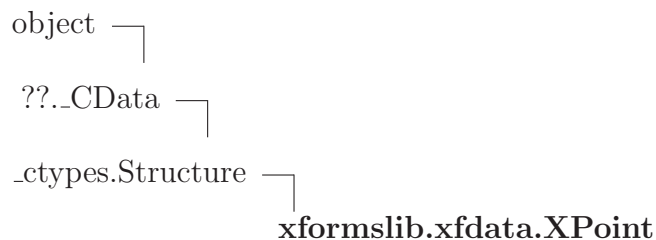
*continued on next page*

Name	Description
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.21.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('x', &lt;class 'ctypes.c_short'&gt;), ('y', &lt;class 'ctypes.c_...</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=0, size=2&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=2, size=2&gt;</code>

## 2.22 Class XPoint



### 2.22.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

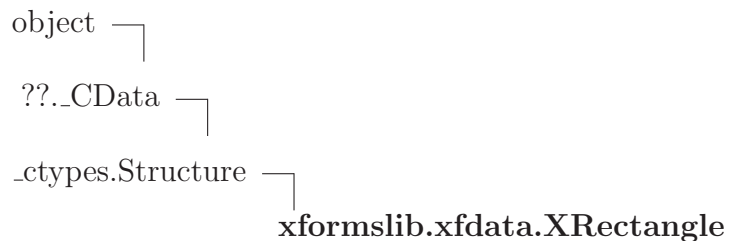
### 2.22.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.22.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('x', &lt;class 'ctypes.c_short'&gt;), ('y', &lt;class 'ctypes.c_...]</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=0, size=2&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=2, size=2&gt;</code>

## 2.23 Class XRectangle



### 2.23.1 Methods

#### *Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

#### *Inherited from `??._CData`*

`__ctype_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

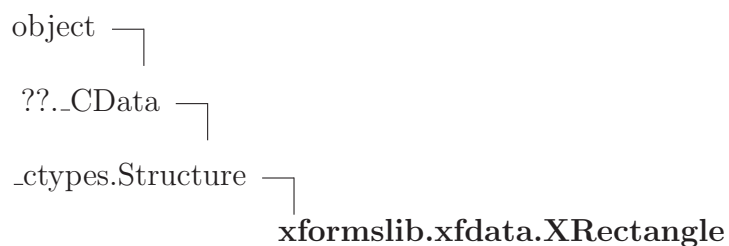
### 2.23.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.23.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('x', &lt;class 'ctypes.c_short'&gt;), ('y', &lt;class 'ctypes.c_...]</code>
<code>height</code>	<b>Value:</b> <code>&lt;Field type=c_ushort, ofs=6, size=2&gt;</code>
<code>width</code>	<b>Value:</b> <code>&lt;Field type=c_ushort, ofs=4, size=2&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=0, size=2&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=2, size=2&gt;</code>

## 2.24 Class XRectangle



### 2.24.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.24.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.24.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('x', &lt;class 'ctypes.c_short'&gt;), ('y', &lt;class 'ctypes.c_...</code>
<code>height</code>	<b>Value:</b> <code>&lt;Field type=c_ushort, ofs=6, size=2&gt;</code>
<code>width</code>	<b>Value:</b> <code>&lt;Field type=c_ushort, ofs=4, size=2&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=0, size=2&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=2, size=2&gt;</code>

**2.25 Class `FL_RESOURCE`****2.25.1 Methods*****Inherited from `_ctypes.Structure`***

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.25.2 Properties

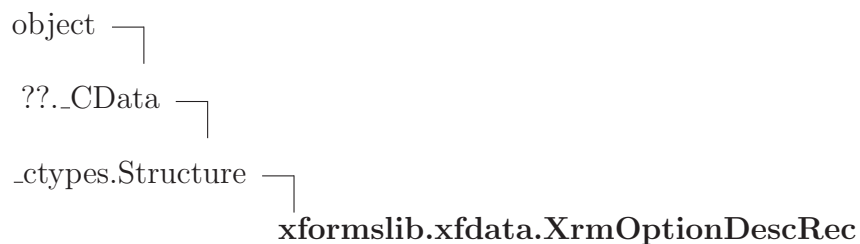
Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.25.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('res_name', &lt;class 'ctypes.c_char_p'&gt;), ('res_class', &lt;...</code>
<code>defval</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=32, size=8&gt;</code>
<code>nbytes</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>res_class</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=8, size=8&gt;</code>
<code>res_name</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=0, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>var</code>	<b>Value:</b> <code>&lt;Field type=c_void_p, ofs=24, size=8&gt;</code>



## 2.26 Class XrmOptionDescRec



### 2.26.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.26.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

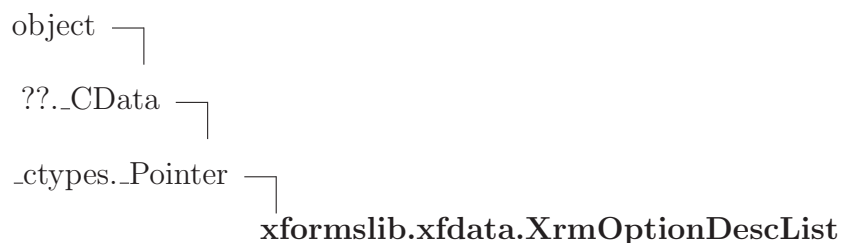
### 2.26.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('option', <class 'ctypes.c_char_p'>), ('specifier', <cl...
<code>argKind</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>option</code>	<b>Value:</b> <Field type=c_char_p, ofs=0, size=8>

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Name	Description
specifier	<b>Value:</b> <Field type=c_char_p, ofs=8, size=8>
value	<b>Value:</b> <Field type=c_char_p, ofs=24, size=8>

## 2.27 Class XrmOptionDescList



### 2.27.1 Methods

#### *Inherited from \_ctypes.\_Pointer*

`--delitem--()`, `--getitem--()`, `--getslice--()`, `--init--()`, `--new--()`, `--nonzero--()`, `--setitem--()`

#### *Inherited from ??.\_CData*

`_ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

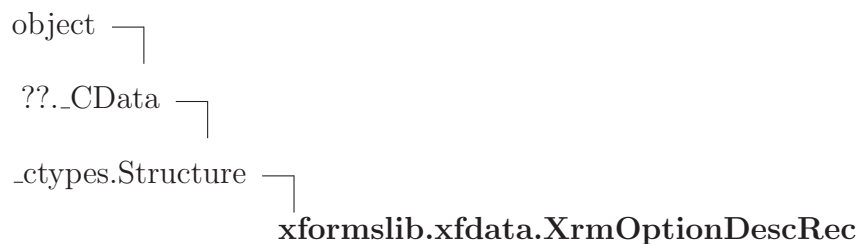
#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.27.2 Properties

Name	Description
<i>Inherited from _ctypes._Pointer</i> contents	
<i>Inherited from ??._CData</i> _b_base_, _b_needsfree_	
<i>Inherited from object</i> _class_	

## 2.28 Class XrmOptionDescRec



### 2.28.1 Methods

*Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

*Inherited from ??. \_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

*Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.28.2 Properties

Name	Description
<i>Inherited from ??. _CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.28.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('option', <class 'ctypes.c_char_p'>), ('specifier', <cl...
<code>argKind</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>option</code>	<b>Value:</b> <Field type=c_char_p, ofs=0, size=8>

*continued on next page*

Name	Description
specifier	<b>Value:</b> <Field type=c_char_p, ofs=8, size=8>
value	<b>Value:</b> <Field type=c_char_p, ofs=24, size=8>

## 2.29 Class *FL\_RESOURCE*



### 2.29.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

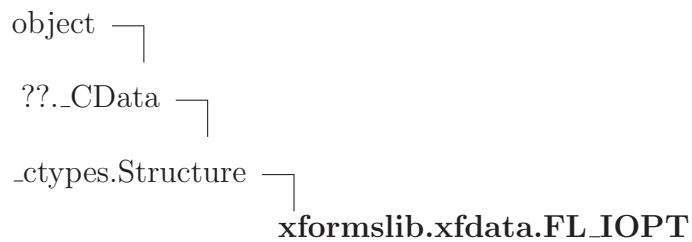
### 2.29.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.29.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('res_name', &lt;class 'ctypes.c_char_p'&gt;), ('res_class', &lt;...</code>
<code>defval</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=32, size=8&gt;</code>
<code>nbytes</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>res_class</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=8, size=8&gt;</code>
<code>res_name</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=0, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>var</code>	<b>Value:</b> <code>&lt;Field type=c_void_p, ofs=24, size=8&gt;</code>

## 2.30 Class `FL_IOPT`



### 2.30.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.30.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.30.3 Class Variables

Name	Description
<code>_fields_</code>	Value: <code>[('rgamma', &lt;class 'ctypes.c_float'&gt;), ('ggamma', &lt;class ...</code>
<code>backingStore</code>	Value: <code>&lt;Field type=c_int, ofs=92, size=4&gt;</code>
<code>bgamma</code>	Value: <code>&lt;Field type=c_float, ofs=8, size=4&gt;</code>
<code>borderWidth</code>	Value: <code>&lt;Field type=c_int, ofs=100, size=4&gt;</code>
<code>browserFontSize</code>	Value: <code>&lt;Field type=c_int, ofs=52, size=4&gt;</code>
<code>buttonFontSize</code>	Value: <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>choiceFontSize</code>	Value: <code>&lt;Field type=c_int, ofs=60, size=4&gt;</code>
<code>coordUnit</code>	Value: <code>&lt;Field type=c_int, ofs=96, size=4&gt;</code>
<code>debug</code>	Value: <code>&lt;Field type=c_int, ofs=12, size=4&gt;</code>
<code>depth</code>	Value: <code>&lt;Field type=c_int, ofs=20, size=4&gt;</code>
<code>doubleBuffer</code>	Value: <code>&lt;Field type=c_int, ofs=28, size=4&gt;</code>
<code>ggamma</code>	Value: <code>&lt;Field type=c_float, ofs=4, size=4&gt;</code>
<code>inputFontSize</code>	Value: <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>labelFontSize</code>	Value: <code>&lt;Field type=c_int, ofs=64, size=4&gt;</code>
<code>menuFontSize</code>	Value: <code>&lt;Field type=c_int, ofs=56, size=4&gt;</code>
<code>privateColormap</code>	Value: <code>&lt;Field type=c_int, ofs=76, size=4&gt;</code>

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Name	Description
<code>pupFontSize</code>	Value: <Field type=c_int, ofs=68, size=4>
<code>pupFontStyle</code>	Value: <Field type=c_int, ofs=72, size=4>
<code>rgamma</code>	Value: <Field type=c_float, ofs=0, size=4>
<code>rgbfile</code>	Value: <Field type=c_char_p, ofs=112, size=8>
<code>safe</code>	Value: <Field type=c_int, ofs=104, size=4>
<code>scrollbarType</code>	Value: <Field type=c_int, ofs=88, size=4>
<code>sharedColormap</code>	Value: <Field type=c_int, ofs=80, size=4>
<code>sliderFontSize</code>	Value: <Field type=c_int, ofs=44, size=4>
<code>standardColormap</code>	Value: <Field type=c_int, ofs=84, size=4>
<code>sync</code>	Value: <Field type=c_int, ofs=16, size=4>
<code>ulPropWidth</code>	Value: <Field type=c_int, ofs=32, size=4>
<code>ulThickness</code>	Value: <Field type=c_int, ofs=36, size=4>
<code>vclass</code>	Value: <Field type=c_int, ofs=24, size=4>
<code>vname</code>	Value: <Field type=c_char Array 24, ofs=120, size=24>

### 2.31 Class `FL_RGB2PIXEL_`

```

object └─
  ??._CData └─
    _ctypes.Structure └─
      xformslib.xfdata.FL_RGB2PIXEL_

```

**2.31.1 Methods*****Inherited from ctypes.Structure***`__init__()`, `__new__()`***Inherited from ??.\_CData***`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`***Inherited from object***`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`**2.31.2 Properties**

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.31.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> [('rshift', <class 'ctypes.c_uint'>), ('rmask', <class 'c...
<code>bbits</code>	<b>Value:</b> <Field type=c_uint, ofs=32, size=4>
<code>bits_per_rgb</code>	<b>Value:</b> <Field type=c_int, ofs=36, size=4>
<code>bmask</code>	<b>Value:</b> <Field type=c_uint, ofs=28, size=4>
<code>bshift</code>	<b>Value:</b> <Field type=c_uint, ofs=24, size=4>
<code>colormap_size</code>	<b>Value:</b> <Field type=c_int, ofs=40, size=4>
<code>gbits</code>	<b>Value:</b> <Field type=c_uint, ofs=20, size=4>
<code>gmask</code>	<b>Value:</b> <Field type=c_uint, ofs=16, size=4>

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Name	Description
gshift	<b>Value:</b> <Field type=c_uint, ofs=12, size=4>
rbits	<b>Value:</b> <Field type=c_uint, ofs=8, size=4>
rmask	<b>Value:</b> <Field type=c_uint, ofs=4, size=4>
rshift	<b>Value:</b> <Field type=c_uint, ofs=0, size=4>

## 2.32 Class *FL\_RGB2PIXEL\_*



### 2.32.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.32.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.32.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('rshift', &lt;class 'ctypes.c_uint'&gt;), ('rmask', &lt;class 'c...</code>
<code>bbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=32, size=4&gt;</code>
<code>bits_per_rgb</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>
<code>bmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=28, size=4&gt;</code>
<code>bshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=24, size=4&gt;</code>
<code>colormap_size</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>gbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=20, size=4&gt;</code>
<code>gmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=16, size=4&gt;</code>
<code>gshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=12, size=4&gt;</code>
<code>rbits</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=8, size=4&gt;</code>
<code>rmask</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=4, size=4&gt;</code>
<code>rshift</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=0, size=4&gt;</code>

## 2.33 Class `FL_POPUP_`



### 2.33.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

### *Inherited from `??_CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

## 2.33.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

## 2.33.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('next', &lt;class 'xformslib.xfdata.LP_FL_POPUP_&gt;), ('pre...</code>
<code>bg_color</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=176, size=8&gt;</code>
<code>bw</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=168, size=4&gt;</code>
<code>callback</code>	<b>Value:</b> <code>&lt;Field type=CFunctionType, ofs=72, size=8&gt;</code>
<code>counter</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=136, size=4&gt;</code>
<code>cursor</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=64, size=8&gt;</code>
<code>entries</code>	<b>Value:</b> <code>&lt;Field type=LP_FL_POPUP_ENTRY_, ofs=32, size=8&gt;</code>
<code>entry_font_size</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=152, size=4&gt;</code>
<code>entry_font_style</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=148, size=4&gt;</code>
<code>event_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=160, size=8&gt;</code>

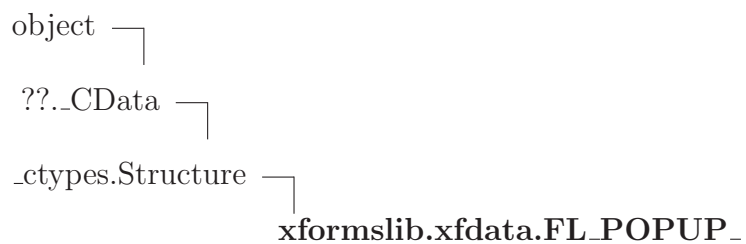
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Name	Description
<code>h</code>	Value: <Field type=c_uint, ofs=104, size=4>
<code>has_boxes</code>	Value: <Field type=c_int, ofs=132, size=4>
<code>has_subs</code>	Value: <Field type=c_int, ofs=128, size=4>
<code>min_width</code>	Value: <Field type=c_int, ofs=108, size=4>
<code>need_recalc</code>	Value: <Field type=c_int, ofs=236, size=4>
<code>next</code>	Value: <Field type=LP_FL_POPUP_, ofs=0, size=8>
<code>on_color</code>	Value: <Field type=c_ulong, ofs=184, size=8>
<code>parent</code>	Value: <Field type=LP_FL_POPUP_, ofs=16, size=8>
<code>parent_win</code>	Value: <Field type=c_ulong, ofs=56, size=8>
<code>policy</code>	Value: <Field type=c_int, ofs=232, size=4>
<code>prev</code>	Value: <Field type=LP_FL_POPUP_, ofs=8, size=8>
<code>radio_color</code>	Value: <Field type=c_ulong, ofs=224, size=8>
<code>req_x</code>	Value: <Field type=c_int, ofs=84, size=4>
<code>req_y</code>	Value: <Field type=c_int, ofs=88, size=4>
<code>ret</code>	Value: <Field type=FL_POPUP_RETURN_, ofs=240, size=56>
<code>text_color</code>	Value: <Field type=c_ulong, ofs=200, size=8>
<code>text_off_color</code>	Value: <Field type=c_ulong, ofs=216, size=8>
<code>text_on_color</code>	Value: <Field type=c_ulong, ofs=208, size=8>
<code>title</code>	Value: <Field type=c_char_p, ofs=40, size=8>
<code>title_box_h</code>	Value: <Field type=c_uint, ofs=124, size=4>
<code>title_box_w</code>	Value: <Field type=c_uint, ofs=120, size=4>

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Name	Description
<code>title_box_x</code>	Value: <Field type=c_int, ofs=112, size=4>
<code>title_box_y</code>	Value: <Field type=c_int, ofs=116, size=4>
<code>title_color</code>	Value: <Field type=c_ulong, ofs=192, size=8>
<code>title_font_size</code>	Value: <Field type=c_int, ofs=144, size=4>
<code>title_font_style</code>	Value: <Field type=c_int, ofs=140, size=4>
<code>top_parent</code>	Value: <Field type=LP_FL_POPUP_, ofs=24, size=8>
<code>use_req_pos</code>	Value: <Field type=c_int, ofs=80, size=4>
<code>w</code>	Value: <Field type=c_uint, ofs=100, size=4>
<code>win</code>	Value: <Field type=c_ulong, ofs=48, size=8>
<code>x</code>	Value: <Field type=c_int, ofs=92, size=4>
<code>y</code>	Value: <Field type=c_int, ofs=96, size=4>

## 2.34 Class `FL_POPUP_`



### 2.34.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.34.2 Properties**

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.34.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('next', &lt;class 'xformslib.xfdata.LP_FL_POPUP_'&gt;), ('pre...</code>
<code>bg_color</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=176, size=8&gt;</code>
<code>bw</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=168, size=4&gt;</code>
<code>callback</code>	<b>Value:</b> <code>&lt;Field type=CFunctionType, ofs=72, size=8&gt;</code>
<code>counter</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=136, size=4&gt;</code>
<code>cursor</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=64, size=8&gt;</code>
<code>entries</code>	<b>Value:</b> <code>&lt;Field type=LP_FL_POPUP_ENTRY_, ofs=32, size=8&gt;</code>
<code>entry_font_size</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=152, size=4&gt;</code>
<code>entry_font_style</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=148, size=4&gt;</code>
<code>event_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=160, size=8&gt;</code>
<code>h</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=104, size=4&gt;</code>
<code>has_boxes</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=132, size=4&gt;</code>
<code>has_subs</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=128, size=4&gt;</code>

*continued on next page*

Name	Description
min_width	Value: <Field type=c_int, ofs=108, size=4>
need_recalc	Value: <Field type=c_int, ofs=236, size=4>
next	Value: <Field type=LP_FL_POPUP_, ofs=0, size=8>
on_color	Value: <Field type=c_ulong, ofs=184, size=8>
parent	Value: <Field type=LP_FL_POPUP_, ofs=16, size=8>
parent_win	Value: <Field type=c_ulong, ofs=56, size=8>
policy	Value: <Field type=c_int, ofs=232, size=4>
prev	Value: <Field type=LP_FL_POPUP_, ofs=8, size=8>
radio_color	Value: <Field type=c_ulong, ofs=224, size=8>
req_x	Value: <Field type=c_int, ofs=84, size=4>
req_y	Value: <Field type=c_int, ofs=88, size=4>
ret	Value: <Field type=FL_POPUP_RETURN_, ofs=240, size=56>
text_color	Value: <Field type=c_ulong, ofs=200, size=8>
text_off_color	Value: <Field type=c_ulong, ofs=216, size=8>
text_on_color	Value: <Field type=c_ulong, ofs=208, size=8>
title	Value: <Field type=c_char_p, ofs=40, size=8>
title_box_h	Value: <Field type=c_uint, ofs=124, size=4>
title_box_w	Value: <Field type=c_uint, ofs=120, size=4>
title_box_x	Value: <Field type=c_int, ofs=112, size=4>
title_box_y	Value: <Field type=c_int, ofs=116, size=4>
title_color	Value: <Field type=c_ulong, ofs=192, size=8>

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Name	Description
<code>title_font_size</code>	Value: <Field type=c_int, ofs=144, size=4>
<code>title_font_style</code>	Value: <Field type=c_int, ofs=140, size=4>
<code>top_parent</code>	Value: <Field type=LP_FL_POPUP_, ofs=24, size=8>
<code>use_req_pos</code>	Value: <Field type=c_int, ofs=80, size=4>
<code>w</code>	Value: <Field type=c_uint, ofs=100, size=4>
<code>win</code>	Value: <Field type=c_ulong, ofs=48, size=8>
<code>x</code>	Value: <Field type=c_int, ofs=92, size=4>
<code>y</code>	Value: <Field type=c_int, ofs=96, size=4>

## 2.35 Class `FL_POPUP_ENTRY_`



### 2.35.1 Methods

#### *Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

#### *Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`



### 2.35.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.35.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('prev', &lt;class 'xformslib.xfdata.LP_FL_POPUP_ENTRY_')&gt;], ...</code>
<code>accel</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=48, size=8&gt;</code>
<code>box_h</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=164, size=4&gt;</code>
<code>box_w</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=160, size=4&gt;</code>
<code>box_x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=152, size=4&gt;</code>
<code>box_y</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=156, size=4&gt;</code>
<code>callback</code>	<b>Value:</b> <code>&lt;Field type=CFunctionType, ofs=112, size=8&gt;</code>
<code>enter_callback</code>	<b>Value:</b> <code>&lt;Field type=CFunctionType, ofs=120, size=8&gt;</code>
<code>group</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=80, size=4&gt;</code>
<code>h</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=148, size=4&gt;</code>
<code>is_act</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=24, size=4&gt;</code>
<code>label</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=40, size=8&gt;</code>
<code>leave_callback</code>	<b>Value:</b> <code>&lt;Field type=CFunctionType, ofs=128, size=8&gt;</code>
<code>next</code>	<b>Value:</b> <code>&lt;Field type=LP_FL_POPUP_ENTRY_, ofs=8, size=8&gt;</code>
<code>popup</code>	<b>Value:</b> <code>&lt;Field type=LP_FL_POPUP_, ofs=16, size=8&gt;</code>
<code>prev</code>	<b>Value:</b> <code>&lt;Field type=LP_FL_POPUP_ENTRY_, ofs=0, size=8&gt;</code>

*continued on next page*

Name	Description
<code>shortcut</code>	Value: <Field type= <code>LP_c_long</code> , ofs=96, size=8>
<code>sl_h</code>	Value: <Field type= <code>c_uint</code> , ofs=168, size=4>
<code>state</code>	Value: <Field type= <code>c_uint</code> , ofs=76, size=4>
<code>sub</code>	Value: <Field type= <code>LP_FL_POPUP_</code> , ofs=88, size=8>
<code>text</code>	Value: <Field type= <code>c_char_p</code> , ofs=32, size=8>
<code>type</code>	Value: <Field type= <code>c_int</code> , ofs=72, size=4>
<code>ul_h</code>	Value: <Field type= <code>c_uint</code> , ofs=184, size=4>
<code>ul_w</code>	Value: <Field type= <code>c_uint</code> , ofs=180, size=4>
<code>ul_x</code>	Value: <Field type= <code>c_int</code> , ofs=172, size=4>
<code>ul_y</code>	Value: <Field type= <code>c_int</code> , ofs=176, size=4>
<code>ulpos</code>	Value: <Field type= <code>c_int</code> , ofs=104, size=4>
<code>user_data</code>	Value: <Field type= <code>c_void_p</code> , ofs=64, size=8>
<code>val</code>	Value: <Field type= <code>c_long</code> , ofs=56, size=8>
<code>w</code>	Value: <Field type= <code>c_uint</code> , ofs=144, size=4>
<code>x</code>	Value: <Field type= <code>c_int</code> , ofs=136, size=4>
<code>y</code>	Value: <Field type= <code>c_int</code> , ofs=140, size=4>

## 2.36 Class `FL_POPUP_ENTRY_`

```

object └─
  ??._CData └─
    _ctypes.Structure └─
      xformslib.xfdata.FL_POPUP_ENTRY_

```

**2.36.1 Methods*****Inherited from ctypes.Structure***`__init__()`, `__new__()`***Inherited from ??.\_CData***`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`***Inherited from object***`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`**2.36.2 Properties**

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.36.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> [('prev', <class 'xformslib.xfdata.LP_FL_POPUP_ENTRY_>'), ...]
<code>accel</code>	<b>Value:</b> <Field type=c_char_p, ofs=48, size=8>
<code>box_h</code>	<b>Value:</b> <Field type=c_uint, ofs=164, size=4>
<code>box_w</code>	<b>Value:</b> <Field type=c_uint, ofs=160, size=4>
<code>box_x</code>	<b>Value:</b> <Field type=c_int, ofs=152, size=4>
<code>box_y</code>	<b>Value:</b> <Field type=c_int, ofs=156, size=4>
<code>callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=112, size=8>
<code>enter_callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=120, size=8>
<code>group</code>	<b>Value:</b> <Field type=c_int, ofs=80, size=4>

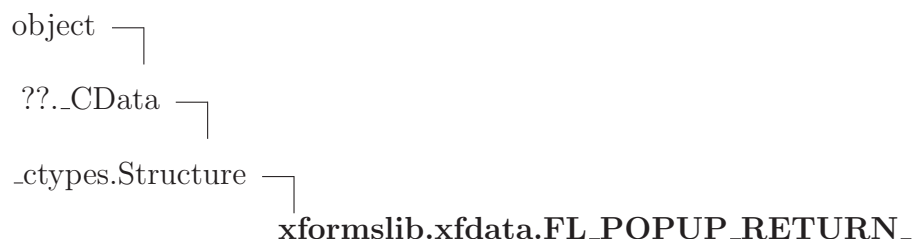
*continued on next page*

Name	Description
<code>h</code>	Value: <Field type=c_uint, ofs=148, size=4>
<code>is_act</code>	Value: <Field type=c_int, ofs=24, size=4>
<code>label</code>	Value: <Field type=c_char_p, ofs=40, size=8>
<code>leave_callback</code>	Value: <Field type=CFunctionType, ofs=128, size=8>
<code>next</code>	Value: <Field type=LP_FL_POPUP_ENTRY_, ofs=8, size=8>
<code>popup</code>	Value: <Field type=LP_FL_POPUP_, ofs=16, size=8>
<code>prev</code>	Value: <Field type=LP_FL_POPUP_ENTRY_, ofs=0, size=8>
<code>shortcut</code>	Value: <Field type=LP_c_long, ofs=96, size=8>
<code>sl_h</code>	Value: <Field type=c_uint, ofs=168, size=4>
<code>state</code>	Value: <Field type=c_uint, ofs=76, size=4>
<code>sub</code>	Value: <Field type=LP_FL_POPUP_, ofs=88, size=8>
<code>text</code>	Value: <Field type=c_char_p, ofs=32, size=8>
<code>type</code>	Value: <Field type=c_int, ofs=72, size=4>
<code>ul_h</code>	Value: <Field type=c_uint, ofs=184, size=4>
<code>ul_w</code>	Value: <Field type=c_uint, ofs=180, size=4>
<code>ul_x</code>	Value: <Field type=c_int, ofs=172, size=4>
<code>ul_y</code>	Value: <Field type=c_int, ofs=176, size=4>
<code>ulpos</code>	Value: <Field type=c_int, ofs=104, size=4>
<code>user_data</code>	Value: <Field type=c_void_p, ofs=64, size=8>
<code>val</code>	Value: <Field type=c_long, ofs=56, size=8>
<code>w</code>	Value: <Field type=c_uint, ofs=144, size=4>

*continued on next page*

Name	Description
x	<b>Value:</b> <Field type=c_int, ofs=136, size=4>
y	<b>Value:</b> <Field type=c_int, ofs=140, size=4>

## 2.37 Class `FL_POPUP_RETURN_`



### 2.37.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??.CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.37.2 Properties

Name	Description
<i>Inherited from <code>??.CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.37.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('val', <class 'ctypes.c_long'>), ('user_data', <class '...>)]
<code>accel</code>	<b>Value:</b> <Field type=c_char_p, ofs=32, size=8>
<code>entry</code>	<b>Value:</b> <Field type=LP_FL_POPUP_ENTRY_, ofs=40, size=8>
<code>label</code>	<b>Value:</b> <Field type=c_char_p, ofs=24, size=8>
<code>popup</code>	<b>Value:</b> <Field type=LP_FL_POPUP_, ofs=48, size=8>
<code>text</code>	<b>Value:</b> <Field type=c_char_p, ofs=16, size=8>
<code>user_data</code>	<b>Value:</b> <Field type=c_void_p, ofs=8, size=8>
<code>val</code>	<b>Value:</b> <Field type=c_long, ofs=0, size=8>

## 2.38 Class `FL_POPUP_RETURN_`

```

object └─
  ??._CData └─
    _ctypes.Structure └─
      xformslib.xfdata.FL_POPUP_RETURN_

```

### 2.38.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.38.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.38.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('val', &lt;class 'ctypes.c_long'&gt;), ('user_data', &lt;class '...'</code>
<code>accel</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=32, size=8&gt;</code>
<code>entry</code>	<b>Value:</b> <code>&lt;Field type=LP_FL_POPUP_ENTRY_, ofs=40, size=8&gt;</code>
<code>label</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=24, size=8&gt;</code>
<code>popup</code>	<b>Value:</b> <code>&lt;Field type=LP_FL_POPUP_, ofs=48, size=8&gt;</code>
<code>text</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=16, size=8&gt;</code>
<code>user_data</code>	<b>Value:</b> <code>&lt;Field type=c_void_p, ofs=8, size=8&gt;</code>
<code>val</code>	<b>Value:</b> <code>&lt;Field type=c_long, ofs=0, size=8&gt;</code>

**2.39 Class `FL_POPUP_ITEM`**

### 2.39.1 Methods

#### *Inherited from ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.39.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.39.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('text', <class 'ctypes.c_char_p'>), ('callback', <class...
<code>callback</code>	<b>Value:</b> <Field type=CFunctionType, ofs=8, size=8>
<code>shortcut</code>	<b>Value:</b> <Field type=c_char_p, ofs=16, size=8>
<code>state</code>	<b>Value:</b> <Field type=c_int, ofs=28, size=4>
<code>text</code>	<b>Value:</b> <Field type=c_char_p, ofs=0, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=24, size=4>



## 2.40 Class `FL_BUTTON_SPEC`



### 2.40.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.40.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.40.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('pixmap', &lt;class 'ctypes.c_ulong'&gt;), ('mask', &lt;class 'c...</code>
<code>bits_h</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=20, size=4&gt;</code>
<code>bits_w</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=16, size=4&gt;</code>

*continued on next page*

Name	Description
cspecl	Value: <Field type=c_long, ofs=64, size=8>
cspecv	Value: <Field type=c_void_p, ofs=72, size=8>
event	Value: <Field type=c_int, ofs=36, size=4>
filename	Value: <Field type=c_char_p, ofs=80, size=8>
focus_filename	Value: <Field type=c_char_p, ofs=104, size=8>
focus_mask	Value: <Field type=c_ulong, ofs=96, size=8>
focus_pixmap	Value: <Field type=c_ulong, ofs=88, size=8>
is_pushed	Value: <Field type=c_int, ofs=40, size=4>
mask	Value: <Field type=c_ulong, ofs=8, size=8>
mousebut	Value: <Field type=c_int, ofs=28, size=4>
pixmap	Value: <Field type=c_ulong, ofs=0, size=8>
react_to	Value: <Field type=c_int_Array_5, ofs=44, size=20>
timdel	Value: <Field type=c_int, ofs=32, size=4>
val	Value: <Field type=c_int, ofs=24, size=4>

## 2.41 Class *FL\_BUTTON\_SPEC*

```

object └─
  ??._CData └─
    _ctypes.Structure └─
      xformslib.xfdata.FL_BUTTON_SPEC

```

**2.41.1 Methods*****Inherited from ctypes.Structure***`__init__()`, `__new__()`***Inherited from ??.\_CData***`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`***Inherited from object***`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`**2.41.2 Properties**

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.41.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> [('pixmap', <class 'ctypes.c_ulong'>), ('mask', <class 'c...
<code>bits_h</code>	<b>Value:</b> <Field type=c_uint, ofs=20, size=4>
<code>bits_w</code>	<b>Value:</b> <Field type=c_uint, ofs=16, size=4>
<code>cspecl</code>	<b>Value:</b> <Field type=c_long, ofs=64, size=8>
<code>cspecv</code>	<b>Value:</b> <Field type=c_void_p, ofs=72, size=8>
<code>event</code>	<b>Value:</b> <Field type=c_int, ofs=36, size=4>
<code>filename</code>	<b>Value:</b> <Field type=c_char_p, ofs=80, size=8>
<code>focus_filename</code>	<b>Value:</b> <Field type=c_char_p, ofs=104, size=8>

*continued on next page*

Name	Description
focus_mask	Value: <Field type=c_ulong, ofs=96, size=8>
focus_pixmap	Value: <Field type=c_ulong, ofs=88, size=8>
is_pushed	Value: <Field type=c_int, ofs=40, size=4>
mask	Value: <Field type=c_ulong, ofs=8, size=8>
mousebut	Value: <Field type=c_int, ofs=28, size=4>
pixmap	Value: <Field type=c_ulong, ofs=0, size=8>
react_to	Value: <Field type=c_int_Array_5, ofs=44, size=20>
timdel	Value: <Field type=c_int, ofs=32, size=4>
val	Value: <Field type=c_int, ofs=24, size=4>

## 2.42 Class XSetWindowAttributes



### 2.42.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce.ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

## 2.42.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

## 2.42.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('background_pixmap', &lt;class 'ctypes.c_ulong'&gt;), ('backg...</code>
<code>background_pixel</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>background_pixmap</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=0, size=8&gt;</code>
<code>backing_pixel</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=56, size=8&gt;</code>
<code>backing_planes</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=48, size=8&gt;</code>
<code>backing_store</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>bit_gravity</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=32, size=4&gt;</code>
<code>border_pixel</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=24, size=8&gt;</code>
<code>border_pixmap</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=16, size=8&gt;</code>
<code>colormap</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=96, size=8&gt;</code>
<code>cursor</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=104, size=8&gt;</code>
<code>do_not_propagate_mask</code>	<b>Value:</b> <code>&lt;Field type=c_long, ofs=80, size=8&gt;</code>
<code>event_mask</code>	<b>Value:</b> <code>&lt;Field type=c_long, ofs=72, size=8&gt;</code>
<code>override_redirect</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=88, size=4&gt;</code>
<code>save_under</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=64, size=4&gt;</code>
<code>win_gravity</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>

## 2.43 Class GLXContext



### 2.43.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.43.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.43.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> []

## 2.44 Class *FL\_Dirlist*



### 2.44.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.44.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.44.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('name', &lt;class 'ctypes.c_char_p'&gt;), ('type', &lt;class 'ct...</code>
<code>dl_mtime</code>	<b>Value:</b> <code>&lt;Field type=c_long, ofs=16, size=8&gt;</code>
<code>dl_size</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=24, size=8&gt;</code>

*continued on next page*

Name	Description
name	<b>Value:</b> <Field type=c_char_p, ofs=0, size=8>
type	<b>Value:</b> <Field type=c_int, ofs=8, size=4>

## 2.45 Class FLPS\_CONTROL



### 2.45.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.45.2 Properties

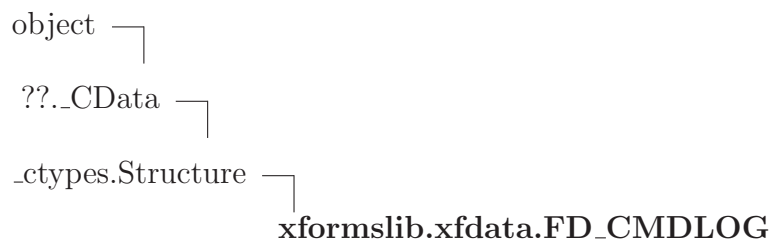
Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.45.3 Class Variables



Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('ps_color', &lt;class 'ctypes.c_int'&gt;), ('orientation', &lt;c...</code>
<code>auto_fit</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=8, size=4&gt;</code>
<code>clip</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=76, size=4&gt;</code>
<code>drawbox</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=12, size=4&gt;</code>
<code>eps</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>first_page_only</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=72, size=4&gt;</code>
<code>gamma</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=36, size=4&gt;</code>
<code>hm</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=52, size=4&gt;</code>
<code>orientation</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=4, size=4&gt;</code>
<code>paper_h</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=32, size=4&gt;</code>
<code>paper_w</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=28, size=4&gt;</code>
<code>printer_dpi</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>ps_color</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>scale.text</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=68, size=4&gt;</code>
<code>tmpdir</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=40, size=8&gt;</code>
<code>vm</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=56, size=4&gt;</code>
<code>xdpi</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=20, size=4&gt;</code>
<code>xscale</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=60, size=4&gt;</code>
<code>ydpi</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=24, size=4&gt;</code>
<code>yscale</code>	<b>Value:</b> <code>&lt;Field type=c_float, ofs=64, size=4&gt;</code>

## 2.46 Class *FD\_CMDLOG*



### 2.46.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.46.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.46.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('form', &lt;class 'xformslib.xfdata.LP_FL_FORM_&gt;), ('vdat...</code>
<code>browser</code>	<b>Value:</b> <code>&lt;Field type=LP_FL_OBJECT_, ofs=32, size=8&gt;</code>
<code>cdata</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=16, size=8&gt;</code>

*continued on next page*

Name	Description
clear_browser	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=48, size=8>
close_browser	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=40, size=8>
form	<b>Value:</b> <Field type=LP_FL_FORM_, ofs=0, size=8>
ldata	<b>Value:</b> <Field type=c_long, ofs=24, size=8>
vdata	<b>Value:</b> <Field type=c_void_p, ofs=8, size=8>

## 2.47 Class *FD\_FSELECTOR*



### 2.47.1 Methods

*Inherited from* *\_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from* *??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* *object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.47.2 Properties

Name	Description
<i>Inherited from</i> <i>??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	

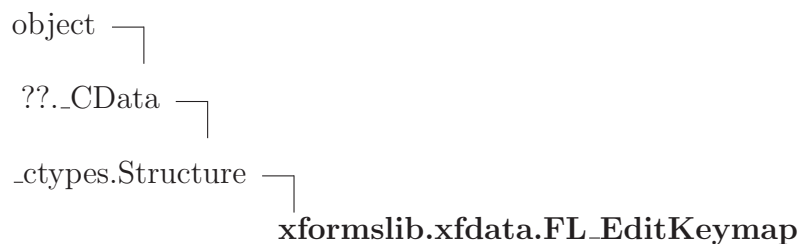
*continued on next page*

Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.47.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('fselect', <class 'xformslib.xfdata.LP_FL_FORM_'>), ('v...
<code>appbutt</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=112, size=24>
<code>browser</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=32, size=8>
<code>cancel</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=80, size=8>
<code>cdata</code>	<b>Value:</b> <Field type=c_void_p, ofs=16, size=8>
<code>dirbutt</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=72, size=8>
<code>dirlabel</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=96, size=8>
<code>fselect</code>	<b>Value:</b> <Field type=LP_FL_FORM_, ofs=0, size=8>
<code>input</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=40, size=8>
<code>ldata</code>	<b>Value:</b> <Field type=c_long, ofs=24, size=8>
<code>patbutt</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=64, size=8>
<code>patlabel</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=104, size=8>
<code>prompt</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=48, size=8>
<code>ready</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=88, size=8>
<code>resbutt</code>	<b>Value:</b> <Field type=LP_FL_OBJECT_, ofs=56, size=8>
<code>vdata</code>	<b>Value:</b> <Field type=c_void_p, ofs=8, size=8>

## 2.48 Class `FL_EditKeymap`



### 2.48.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.48.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

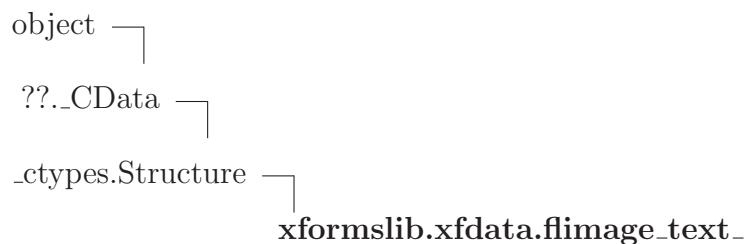
### 2.48.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('del_prev_char', &lt;class 'ctypes.c_long'&gt;), ('del_next_c...</code>
<code>backspace</code>	<b>Value:</b> <code>&lt;Field type=c_long, ofs=144, size=8&gt;</code>
<code>clear_field</code>	<b>Value:</b> <code>&lt;Field type=c_long, ofs=168, size=8&gt;</code>

*continued on next page*

Name	Description
del_next_char	Value: <Field type=c_long, ofs=8, size=8>
del_next_word	Value: <Field type=c_long, ofs=24, size=8>
del_prev_char	Value: <Field type=c_long, ofs=0, size=8>
del_prev_word	Value: <Field type=c_long, ofs=16, size=8>
del_to_bol	Value: <Field type=c_long, ofs=152, size=8>
del_to_eol	Value: <Field type=c_long, ofs=160, size=8>
del_to_eos	Value: <Field type=c_long, ofs=176, size=8>
moveto_bof	Value: <Field type=c_long, ofs=112, size=8>
moveto_bol	Value: <Field type=c_long, ofs=96, size=8>
moveto_eof	Value: <Field type=c_long, ofs=120, size=8>
moveto_eol	Value: <Field type=c_long, ofs=104, size=8>
moveto_next_char	Value: <Field type=c_long, ofs=56, size=8>
moveto_next_line	Value: <Field type=c_long, ofs=40, size=8>
moveto_next_page	Value: <Field type=c_long, ofs=88, size=8>
moveto_next_word	Value: <Field type=c_long, ofs=72, size=8>
moveto_prev_char	Value: <Field type=c_long, ofs=48, size=8>
moveto_prev_line	Value: <Field type=c_long, ofs=32, size=8>
moveto_prev_page	Value: <Field type=c_long, ofs=80, size=8>
moveto_prev_word	Value: <Field type=c_long, ofs=64, size=8>
paste	Value: <Field type=c_long, ofs=136, size=8>
transpose	Value: <Field type=c_long, ofs=128, size=8>

## 2.49 Class `flimage_text_`



### 2.49.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??._CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.49.2 Properties

Name	Description
<i>Inherited from</i> <code>??._CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from</i> <code>object</code>	
<code>__class__</code>	

### 2.49.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('str', &lt;class 'ctypes.c_char_p'&gt;), ('len', &lt;class 'ctyp...</code>
<code>align</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>angle</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>

*continued on next page*

Name	Description
<code>bcolor</code>	Value: <Field type=c_uint, ofs=24, size=4>
<code>color</code>	Value: <Field type=c_uint, ofs=20, size=4>
<code>len</code>	Value: <Field type=c_int, ofs=8, size=4>
<code>nobk</code>	Value: <Field type=c_int, ofs=28, size=4>
<code>size</code>	Value: <Field type=c_int, ofs=32, size=4>
<code>str</code>	Value: <Field type=c_char_p, ofs=0, size=8>
<code>style</code>	Value: <Field type=c_int, ofs=36, size=4>
<code>x</code>	Value: <Field type=c_int, ofs=12, size=4>
<code>y</code>	Value: <Field type=c_int, ofs=16, size=4>

## 2.50 Class `flimage_text_`



### 2.50.1 Methods

#### *Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

#### *Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`



**2.50.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.50.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('str', &lt;class 'ctypes.c_char_p'&gt;), ('len', &lt;class 'ctyp...</code>
<code>align</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>angle</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>bcolor</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=24, size=4&gt;</code>
<code>color</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=20, size=4&gt;</code>
<code>len</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=8, size=4&gt;</code>
<code>nobk</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=28, size=4&gt;</code>
<code>size</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=32, size=4&gt;</code>
<code>str</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=0, size=8&gt;</code>
<code>style</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=12, size=4&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>

## 2.51 Class `flimage_marker_`



### 2.51.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.51.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.51.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('name', &lt;class 'ctypes.c_char_p'&gt;), ('w', &lt;class 'ctype...</code>
<code>angle</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=32, size=4&gt;</code>
<code>bcolor</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=28, size=4&gt;</code>

*continued on next page*

Name	Description
color	Value: <Field type=c_uint, ofs=24, size=4>
display	Value: <Field type=c_void_p, ofs=48, size=8>
fill	Value: <Field type=c_int, ofs=36, size=4>
gc	Value: <Field type=c_void_p, ofs=56, size=8>
h	Value: <Field type=c_int, ofs=12, size=4>
name	Value: <Field type=c_char_p, ofs=0, size=8>
psdraw	Value: <Field type=c_char_p, ofs=72, size=8>
style	Value: <Field type=c_int, ofs=44, size=4>
thickness	Value: <Field type=c_int, ofs=40, size=4>
w	Value: <Field type=c_int, ofs=8, size=4>
win	Value: <Field type=c_ulong, ofs=64, size=8>
x	Value: <Field type=c_int, ofs=16, size=4>
y	Value: <Field type=c_int, ofs=20, size=4>

## 2.52 Class *flimage\_marker\_*



### 2.52.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

### *Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

## 2.52.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

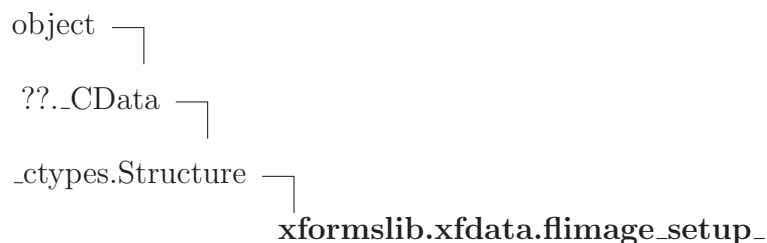
## 2.52.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('name', <class 'ctypes.c_char_p'>), ('w', <class 'ctype...
<code>angle</code>	<b>Value:</b> <Field type=c_int, ofs=32, size=4>
<code>bcolor</code>	<b>Value:</b> <Field type=c_uint, ofs=28, size=4>
<code>color</code>	<b>Value:</b> <Field type=c_uint, ofs=24, size=4>
<code>display</code>	<b>Value:</b> <Field type=c_void_p, ofs=48, size=8>
<code>fill</code>	<b>Value:</b> <Field type=c_int, ofs=36, size=4>
<code>gc</code>	<b>Value:</b> <Field type=c_void_p, ofs=56, size=8>
<code>h</code>	<b>Value:</b> <Field type=c_int, ofs=12, size=4>
<code>name</code>	<b>Value:</b> <Field type=c_char_p, ofs=0, size=8>
<code>psdraw</code>	<b>Value:</b> <Field type=c_char_p, ofs=72, size=8>

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Name	Description
style	Value: <Field type=c_int, ofs=44, size=4>
thickness	Value: <Field type=c_int, ofs=40, size=4>
w	Value: <Field type=c_int, ofs=8, size=4>
win	Value: <Field type=c_ulong, ofs=64, size=8>
x	Value: <Field type=c_int, ofs=16, size=4>
y	Value: <Field type=c_int, ofs=20, size=4>

## 2.53 Class *flimage\_setup\_*



### 2.53.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.53.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	

*continued on next page*

Name	Description
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.53.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('app_data', <class 'ctypes.c_void_p'>), ('visual_cue', ...
<code>app_data</code>	<b>Value:</b> <Field type=c_void_p, ofs=0, size=8>
<code>delay</code>	<b>Value:</b> <Field type=c_int, ofs=60, size=4>
<code>display</code>	<b>Value:</b> <Field type=CFunctionType, ofs=24, size=8>
<code>do_not_clear</code>	<b>Value:</b> <Field type=c_int, ofs=40, size=4>
<code>double_buffer</code>	<b>Value:</b> <Field type=c_int, ofs=72, size=4>
<code>error_message</code>	<b>Value:</b> <Field type=CFunctionType, ofs=16, size=8>
<code>header_info</code>	<b>Value:</b> <Field type=c_int, ofs=88, size=4>
<code>max_frames</code>	<b>Value:</b> <Field type=c_int, ofs=56, size=4>
<code>no_auto_extension</code>	<b>Value:</b> <Field type=c_int, ofs=64, size=4>
<code>report_frequency</code>	<b>Value:</b> <Field type=c_int, ofs=68, size=4>
<code>rgbfile</code>	<b>Value:</b> <Field type=c_char_p, ofs=32, size=8>
<code>trailblazer</code>	<b>Value:</b> <Field type=c_ulong, ofs=80, size=8>
<code>visual_cue</code>	<b>Value:</b> <Field type=CFunctionType, ofs=8, size=8>
<code>xdisplay</code>	<b>Value:</b> <Field type=c_void_p, ofs=48, size=8>

## 2.54 Class FLIMAGESETUP



### 2.54.1 Methods

#### *Inherited from \_ctypes.\_Pointer*

`--delitem--()`, `--getitem--()`, `--getslice--()`, `--init--()`, `--new--()`, `--nonzero--()`, `--setitem--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.54.2 Properties

Name	Description
<i>Inherited from _ctypes._Pointer</i> contents	
<i>Inherited from ??.CData</i> _b_base_, _b_needsfree_	
<i>Inherited from object</i> __class__	

## 2.55 Class \_IO\_FILE



### 2.55.1 Methods

*Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

*Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

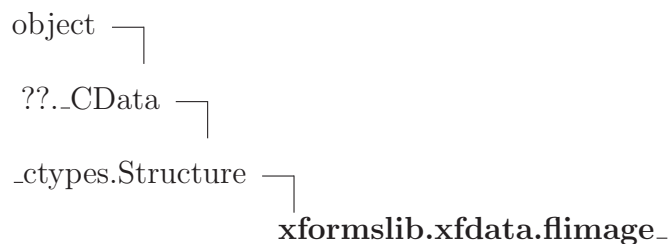
*Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.55.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

## 2.56 Class flimage\_





**2.56.1 Methods*****Inherited from `_ctypes.Structure`***`__init__()`, `__new__()`***Inherited from `??._CData`***`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`***Inherited from object***`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`**2.56.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.56.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('w', &lt;class 'ctypes.c...</code>
<code>alpha</code>	<b>Value:</b> <code>&lt;Field type=LP_LP_c_ubyte, ofs=64, size=8&gt;</code>
<code>alpha16</code>	<b>Value:</b> <code>&lt;Field type=LP_LP_c_ushort, ofs=152, size=8&gt;</code>
<code>alpha_lut</code>	<b>Value:</b> <code>&lt;Field type=LP_c_int, ofs=192, size=8&gt;</code>
<code>app_background</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=276, size=4&gt;</code>
<code>app_data</code>	<b>Value:</b> <code>&lt;Field type=c_void_p, ofs=16, size=8&gt;</code>
<code>available_type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=292, size=4&gt;</code>
<code>blue</code>	<b>Value:</b> <code>&lt;Field type=LP_LP_c_ubyte, ofs=56, size=8&gt;</code>

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Name	Description
blue16	Value: <Field type=LP_LP_c_ushort, ofs=144, size=8>
blue_lut	Value: <Field type=LP_c_int, ofs=184, size=8>
ci	Value: <Field type=LP_LP_c_ushort, ofs=104, size=8>
ci8	Value: <Field type=LP_LP_c_ubyte, ofs=160, size=8>
ci_maxval	Value: <Field type=c_int, ofs=244, size=4>
cleanup	Value: <Field type=CFunctionType, ofs=792, size=8>
colors	Value: <Field type=c_int, ofs=236, size=4>
comments	Value: <Field type=c_char_p, ofs=280, size=8>
comments_len	Value: <Field type=c_int, ofs=288, size=4>
completed	Value: <Field type=c_int, ofs=676, size=4>
current_frame	Value: <Field type=c_int, ofs=748, size=4>
depth	Value: <Field type=c_int, ofs=844, size=4>
display	Value: <Field type=CFunctionType, ofs=336, size=8>
display_markers	Value: <Field type=CFunctionType, ofs=448, size=8>
display_text	Value: <Field type=CFunctionType, ofs=408, size=8>
display_type	Value: <Field type=c_int, ofs=700, size=4>
dont_display_marker	Value: <Field type=c_int, ofs=440, size=4>
dont_display_text	Value: <Field type=c_int, ofs=400, size=4>
double_buffer	Value: <Field type=c_int, ofs=344, size=4>
error_code	Value: <Field type=c_int, ofs=696, size=4>
error_message	Value: <Field type=CFunctionType, ofs=688, size=8>

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Name	Description
extra_io_info	Value: <Field type=c_void_p, ofs=968, size=8>
fill_color	Value: <Field type=c_uint, ofs=596, size=4>
fmt_name	Value: <Field type=c_char_p, ofs=376, size=8>
foffset	Value: <Field type=c_long, ofs=544, size=8>
force_convert	Value: <Field type=c_int, ofs=600, size=4>
fpin	Value: <Field type=LP__IO_FILE, ofs=808, size=8>
fpout	Value: <Field type=LP__IO_FILE, ofs=816, size=8>
free_markers	Value: <Field type=CFunctionType, ofs=456, size=8>
free_text	Value: <Field type=CFunctionType, ofs=416, size=8>
gc	Value: <Field type=c_void_p, ofs=936, size=8>
gray	Value: <Field type=LP_LP_c_ushort, ofs=112, size=8>
gray_maxval	Value: <Field type=c_int, ofs=240, size=4>
green	Value: <Field type=LP_LP_c_ubyte, ofs=48, size=8>
green16	Value: <Field type=LP_LP_c_ushort, ofs=136, size=8>
green_lut	Value: <Field type=LP_c_int, ofs=176, size=8>
h	Value: <Field type=c_int, ofs=8, size=4>
hist	Value: <Field type=LP_c_uint_Array_4, ofs=640, size=32>
image_io	Value: <Field type=c_void_p, ofs=824, size=8>
image_spec	Value: <Field type=c_void_p, ofs=712, size=8>
infile	Value: <Field type=c_char_p, ofs=528, size=8>
info	Value: <Field type=c_char_p, ofs=1008, size=8>

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Name	Description
io_spec	Value: <Field type=c_void_p, ofs=832, size=8>
isPixmap	Value: <Field type=c_int, ofs=996, size=4>
level	Value: <Field type=c_int, ofs=252, size=4>
llut	Value: <Field type=LP_c_int_Array_3, ofs=608, size=24>
llut_len	Value: <Field type=c_int, ofs=632, size=4>
lut	Value: <Field type=LP_c_int_Array_4, ofs=200, size=32>
map_len	Value: <Field type=c_int, ofs=232, size=4>
marker	Value: <Field type=LP_flimage_marker_, ofs=424, size=8>
markergc	Value: <Field type=c_void_p, ofs=960, size=8>
matc	Value: <Field type=c_int, ofs=740, size=4>
matr	Value: <Field type=c_int, ofs=736, size=4>
max_markers	Value: <Field type=c_int, ofs=436, size=4>
max_text	Value: <Field type=c_int, ofs=396, size=4>
modified	Value: <Field type=c_int, ofs=328, size=4>
more	Value: <Field type=c_int, ofs=744, size=4>
next	Value: <Field type=LP_flimage_, ofs=296, size=8>
next_frame	Value: <Field type=CFunctionType, ofs=760, size=8>
nmarkers	Value: <Field type=c_int, ofs=432, size=4>
ntext	Value: <Field type=c_int, ofs=392, size=4>
original_type	Value: <Field type=c_int, ofs=552, size=4>
outfile	Value: <Field type=c_char_p, ofs=536, size=8>

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Name	Description
packed	Value: <Field type=LP_LP_c_uint, ofs=120, size=8>
pixels	Value: <Field type=LP_LP_c_ushort, ofs=704, size=8>
pixmap	Value: <Field type=c_ulong, ofs=976, size=8>
pixmap_depth	Value: <Field type=c_int, ofs=992, size=4>
pixmap_h	Value: <Field type=c_int, ofs=988, size=4>
pixmap_w	Value: <Field type=c_int, ofs=984, size=4>
pmax	Value: <Field type=c_double, ofs=472, size=8>
pmin	Value: <Field type=c_double, ofs=464, size=8>
poffset	Value: <Field type=c_double, ofs=480, size=8>
post_write	Value: <Field type=CFunctionType, ofs=568, size=8>
pre_write	Value: <Field type=CFunctionType, ofs=560, size=8>
prev_frame	Value: <Field type=CFunctionType, ofs=768, size=8>
pscale	Value: <Field type=c_double, ofs=488, size=8>
random_frame	Value: <Field type=CFunctionType, ofs=776, size=8>
red	Value: <Field type=LP_LP_c_ubyte, ofs=40, size=8>
red16	Value: <Field type=LP_LP_c_ushort, ofs=128, size=8>
red_lut	Value: <Field type=LP_c_int, ofs=168, size=8>
rewind_frame	Value: <Field type=CFunctionType, ofs=784, size=8>
rgb2p	Value: <Field type=FL_RGB2PIXEL_, ofs=872, size=44>
rgb_maxval	Value: <Field type=c_int, ofs=248, size=4>
rgba	Value: <Field type=LP_LP_c_ubyte_Array_4, ofs=72, size=32>

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Name	Description
sdepth	Value: <Field type=c_int, ofs=944, size=4>
setup	Value: <Field type=LP_flimage_setup_, ofs=1000, size=8>
sh	Value: <Field type=c_int, ofs=316, size=4>
shd	Value: <Field type=c_int, ofs=360, size=4>
spec_size	Value: <Field type=c_int, ofs=840, size=4>
stop_looping	Value: <Field type=c_int, ofs=800, size=4>
sub_shape	Value: <Field type=c_int, ofs=592, size=4>
subh	Value: <Field type=c_int, ofs=588, size=4>
subw	Value: <Field type=c_int, ofs=584, size=4>
subx	Value: <Field type=c_int, ofs=576, size=4>
suby	Value: <Field type=c_int, ofs=580, size=4>
sw	Value: <Field type=c_int, ofs=312, size=4>
swd	Value: <Field type=c_int, ofs=356, size=4>
sx	Value: <Field type=c_int, ofs=304, size=4>
sxd	Value: <Field type=c_int, ofs=348, size=4>
sy	Value: <Field type=c_int, ofs=308, size=4>
syd	Value: <Field type=c_int, ofs=352, size=4>
text	Value: <Field type=LP_flimage_text_, ofs=384, size=8>
textgc	Value: <Field type=c_void_p, ofs=952, size=8>
total	Value: <Field type=c_int, ofs=672, size=4>
total_frames	Value: <Field type=c_int, ofs=752, size=4>

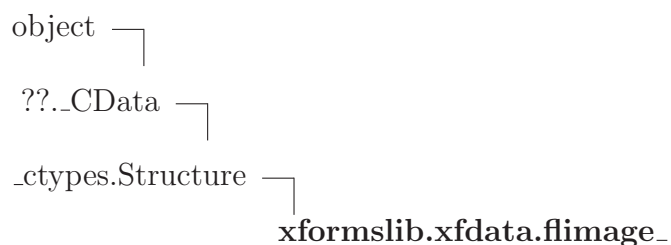
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Name	Description
tran_index	Value: <Field type=c_int, ofs=732, size=4>
tran_rgb	Value: <Field type=c_int, ofs=728, size=4>
type	Value: <Field type=c_int, ofs=0, size=4>
u_ldata	Value: <Field type=c_long, ofs=32, size=8>
u_vdata	Value: <Field type=c_void_p, ofs=24, size=8>
vclass	Value: <Field type=c_int, ofs=848, size=4>
visual	Value: <Field type=c_void_p, ofs=856, size=8>
visual_cue	Value: <Field type=CFunctionType, ofs=680, size=8>
w	Value: <Field type=c_int, ofs=4, size=4>
win	Value: <Field type=c_ulong, ofs=928, size=8>
wlut	Value: <Field type=LP_c_ushort, ofs=264, size=8>
wlut_len	Value: <Field type=c_int, ofs=272, size=4>
wwidth	Value: <Field type=c_int, ofs=256, size=4>
wx	Value: <Field type=c_int, ofs=320, size=4>
wxd	Value: <Field type=c_int, ofs=364, size=4>
wy	Value: <Field type=c_int, ofs=324, size=4>
wyd	Value: <Field type=c_int, ofs=368, size=4>
xcolormap	Value: <Field type=c_ulong, ofs=864, size=8>
xdisplay	Value: <Field type=c_void_p, ofs=720, size=8>
xdist_offset	Value: <Field type=c_double, ofs=496, size=8>
xdist_scale	Value: <Field type=c_double, ofs=504, size=8>

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Name	Description
ximage	<b>Value:</b> <Field type=c_void_p, ofs=920, size=8>
ydist_offset	<b>Value:</b> <Field type=c_double, ofs=512, size=8>
ydist_scale	<b>Value:</b> <Field type=c_double, ofs=520, size=8>

## 2.57 Class *flimage\_*



### 2.57.1 Methods

*Inherited from* *\_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from* *??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* *object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.57.2 Properties

Name	Description
<i>Inherited from</i> <i>??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from</i> <i>object</i>	
<code>__class__</code>	

### 2.57.3 Class Variables



Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('w', <class 'ctypes.c...
<code>alpha</code>	<b>Value:</b> <Field type=LP_LP_c_ubyte, ofs=64, size=8>
<code>alpha16</code>	<b>Value:</b> <Field type=LP_LP_c_ushort, ofs=152, size=8>
<code>alpha_lut</code>	<b>Value:</b> <Field type=LP_c_int, ofs=192, size=8>
<code>app_background</code>	<b>Value:</b> <Field type=c_int, ofs=276, size=4>
<code>app_data</code>	<b>Value:</b> <Field type=c_void_p, ofs=16, size=8>
<code>available_type</code>	<b>Value:</b> <Field type=c_int, ofs=292, size=4>
<code>blue</code>	<b>Value:</b> <Field type=LP_LP_c_ubyte, ofs=56, size=8>
<code>blue16</code>	<b>Value:</b> <Field type=LP_LP_c_ushort, ofs=144, size=8>
<code>blue_lut</code>	<b>Value:</b> <Field type=LP_c_int, ofs=184, size=8>
<code>ci</code>	<b>Value:</b> <Field type=LP_LP_c_ushort, ofs=104, size=8>
<code>ci8</code>	<b>Value:</b> <Field type=LP_LP_c_ubyte, ofs=160, size=8>
<code>ci_maxval</code>	<b>Value:</b> <Field type=c_int, ofs=244, size=4>
<code>cleanup</code>	<b>Value:</b> <Field type=CFunctionType, ofs=792, size=8>
<code>colors</code>	<b>Value:</b> <Field type=c_int, ofs=236, size=4>
<code>comments</code>	<b>Value:</b> <Field type=c_char_p, ofs=280, size=8>
<code>comments_len</code>	<b>Value:</b> <Field type=c_int, ofs=288, size=4>
<code>completed</code>	<b>Value:</b> <Field type=c_int, ofs=676, size=4>
<code>current_frame</code>	<b>Value:</b> <Field type=c_int, ofs=748, size=4>
<code>depth</code>	<b>Value:</b> <Field type=c_int, ofs=844, size=4>

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Name	Description
display	Value: <Field type=CFunctionType, ofs=336, size=8>
display_markers	Value: <Field type=CFunctionType, ofs=448, size=8>
display_text	Value: <Field type=CFunctionType, ofs=408, size=8>
display_type	Value: <Field type=c_int, ofs=700, size=4>
dont_display_marker	Value: <Field type=c_int, ofs=440, size=4>
dont_display_text	Value: <Field type=c_int, ofs=400, size=4>
double_buffer	Value: <Field type=c_int, ofs=344, size=4>
error_code	Value: <Field type=c_int, ofs=696, size=4>
error_message	Value: <Field type=CFunctionType, ofs=688, size=8>
extra_io_info	Value: <Field type=c_void_p, ofs=968, size=8>
fill_color	Value: <Field type=c_uint, ofs=596, size=4>
fmt_name	Value: <Field type=c_char_p, ofs=376, size=8>
foffset	Value: <Field type=c_long, ofs=544, size=8>
force_convert	Value: <Field type=c_int, ofs=600, size=4>
fpin	Value: <Field type=LP__IO_FILE, ofs=808, size=8>
fpout	Value: <Field type=LP__IO_FILE, ofs=816, size=8>
free_markers	Value: <Field type=CFunctionType, ofs=456, size=8>
free_text	Value: <Field type=CFunctionType, ofs=416, size=8>
gc	Value: <Field type=c_void_p, ofs=936, size=8>
gray	Value: <Field type=LP_LP_c_ushort, ofs=112, size=8>
gray_maxval	Value: <Field type=c_int, ofs=240, size=4>

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Name	Description
green	Value: <Field type=LP_LP_c_ubyte, ofs=48, size=8>
green16	Value: <Field type=LP_LP_c_ushort, ofs=136, size=8>
green_lut	Value: <Field type=LP_c_int, ofs=176, size=8>
h	Value: <Field type=c_int, ofs=8, size=4>
hist	Value: <Field type=LP_c_uint_Array_4, ofs=640, size=32>
image_io	Value: <Field type=c_void_p, ofs=824, size=8>
image_spec	Value: <Field type=c_void_p, ofs=712, size=8>
infile	Value: <Field type=c_char_p, ofs=528, size=8>
info	Value: <Field type=c_char_p, ofs=1008, size=8>
io_spec	Value: <Field type=c_void_p, ofs=832, size=8>
isPixmap	Value: <Field type=c_int, ofs=996, size=4>
level	Value: <Field type=c_int, ofs=252, size=4>
llut	Value: <Field type=LP_c_int_Array_3, ofs=608, size=24>
llut_len	Value: <Field type=c_int, ofs=632, size=4>
lut	Value: <Field type=LP_c_int_Array_4, ofs=200, size=32>
map_len	Value: <Field type=c_int, ofs=232, size=4>
marker	Value: <Field type=LP_flimage_marker_, ofs=424, size=8>
markergc	Value: <Field type=c_void_p, ofs=960, size=8>
matc	Value: <Field type=c_int, ofs=740, size=4>
matr	Value: <Field type=c_int, ofs=736, size=4>
max_markers	Value: <Field type=c_int, ofs=436, size=4>

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Name	Description
max_text	Value: <Field type=c_int, ofs=396, size=4>
modified	Value: <Field type=c_int, ofs=328, size=4>
more	Value: <Field type=c_int, ofs=744, size=4>
next	Value: <Field type=LP_flimage_, ofs=296, size=8>
next_frame	Value: <Field type=CFunctionType, ofs=760, size=8>
nmarkers	Value: <Field type=c_int, ofs=432, size=4>
ntext	Value: <Field type=c_int, ofs=392, size=4>
original_type	Value: <Field type=c_int, ofs=552, size=4>
outfile	Value: <Field type=c_char_p, ofs=536, size=8>
packed	Value: <Field type=LP_LP_c_uint, ofs=120, size=8>
pixels	Value: <Field type=LP_LP_c_ushort, ofs=704, size=8>
pixmap	Value: <Field type=c_ulong, ofs=976, size=8>
pixmap_depth	Value: <Field type=c_int, ofs=992, size=4>
pixmap_h	Value: <Field type=c_int, ofs=988, size=4>
pixmap_w	Value: <Field type=c_int, ofs=984, size=4>
pmax	Value: <Field type=c_double, ofs=472, size=8>
pmin	Value: <Field type=c_double, ofs=464, size=8>
poffset	Value: <Field type=c_double, ofs=480, size=8>
post_write	Value: <Field type=CFunctionType, ofs=568, size=8>
pre_write	Value: <Field type=CFunctionType, ofs=560, size=8>
prev_frame	Value: <Field type=CFunctionType, ofs=768, size=8>

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Name	Description
<code>pscale</code>	Value: <Field type=c_double, ofs=488, size=8>
<code>random_frame</code>	Value: <Field type=CFunctionType, ofs=776, size=8>
<code>red</code>	Value: <Field type=LP_LP_c_ubyte, ofs=40, size=8>
<code>red16</code>	Value: <Field type=LP_LP_c_ushort, ofs=128, size=8>
<code>red_lut</code>	Value: <Field type=LP_c_int, ofs=168, size=8>
<code>rewind_frame</code>	Value: <Field type=CFunctionType, ofs=784, size=8>
<code>rgb2p</code>	Value: <Field type=FL_RGB2PIXEL_, ofs=872, size=44>
<code>rgb_maxval</code>	Value: <Field type=c_int, ofs=248, size=4>
<code>rgba</code>	Value: <Field type=LP_LP_c_ubyte_Array_4, ofs=72, size=32>
<code>sdepth</code>	Value: <Field type=c_int, ofs=944, size=4>
<code>setup</code>	Value: <Field type=LP_flimage_setup_, ofs=1000, size=8>
<code>sh</code>	Value: <Field type=c_int, ofs=316, size=4>
<code>shd</code>	Value: <Field type=c_int, ofs=360, size=4>
<code>spec_size</code>	Value: <Field type=c_int, ofs=840, size=4>
<code>stop_looping</code>	Value: <Field type=c_int, ofs=800, size=4>
<code>sub_shape</code>	Value: <Field type=c_int, ofs=592, size=4>
<code>subh</code>	Value: <Field type=c_int, ofs=588, size=4>
<code>subw</code>	Value: <Field type=c_int, ofs=584, size=4>
<code>subx</code>	Value: <Field type=c_int, ofs=576, size=4>
<code>suby</code>	Value: <Field type=c_int, ofs=580, size=4>
<code>sw</code>	Value: <Field type=c_int, ofs=312, size=4>

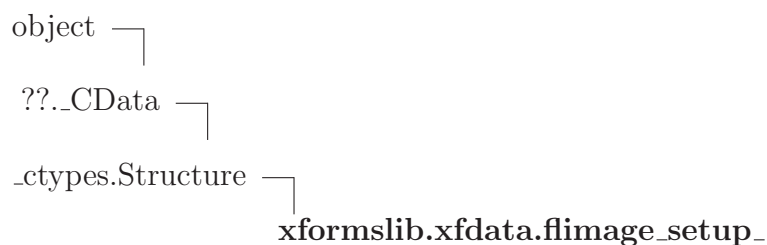
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Name	Description
swd	Value: <Field type=c_int, ofs=356, size=4>
sx	Value: <Field type=c_int, ofs=304, size=4>
sxd	Value: <Field type=c_int, ofs=348, size=4>
sy	Value: <Field type=c_int, ofs=308, size=4>
syd	Value: <Field type=c_int, ofs=352, size=4>
text	Value: <Field type=LP_flimage_text_, ofs=384, size=8>
textgc	Value: <Field type=c_void_p, ofs=952, size=8>
total	Value: <Field type=c_int, ofs=672, size=4>
total_frames	Value: <Field type=c_int, ofs=752, size=4>
tran_index	Value: <Field type=c_int, ofs=732, size=4>
tran_rgb	Value: <Field type=c_int, ofs=728, size=4>
type	Value: <Field type=c_int, ofs=0, size=4>
u_ldata	Value: <Field type=c_long, ofs=32, size=8>
u_vdata	Value: <Field type=c_void_p, ofs=24, size=8>
vclass	Value: <Field type=c_int, ofs=848, size=4>
visual	Value: <Field type=c_void_p, ofs=856, size=8>
visual_cue	Value: <Field type=CFunctionType, ofs=680, size=8>
w	Value: <Field type=c_int, ofs=4, size=4>
win	Value: <Field type=c_ulong, ofs=928, size=8>
wlut	Value: <Field type=LP_c_ushort, ofs=264, size=8>
wlut_len	Value: <Field type=c_int, ofs=272, size=4>

*continued on next page*

Name	Description
wwidth	Value: <Field type=c_int, ofs=256, size=4>
wx	Value: <Field type=c_int, ofs=320, size=4>
wxd	Value: <Field type=c_int, ofs=364, size=4>
wy	Value: <Field type=c_int, ofs=324, size=4>
wyd	Value: <Field type=c_int, ofs=368, size=4>
xcolormap	Value: <Field type=c_ulong, ofs=864, size=8>
xdisplay	Value: <Field type=c_void_p, ofs=720, size=8>
xdist_offset	Value: <Field type=c_double, ofs=496, size=8>
xdist_scale	Value: <Field type=c_double, ofs=504, size=8>
ximage	Value: <Field type=c_void_p, ofs=920, size=8>
ydist_offset	Value: <Field type=c_double, ofs=512, size=8>
ydist_scale	Value: <Field type=c_double, ofs=520, size=8>

## 2.58 Class *flimage\_setup\_*



### 2.58.1 Methods

*Inherited from* *\_ctypes.Structure*

`__init__()`, `__new__()`

***Inherited from `??._CData`***

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.58.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.58.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('app_data', &lt;class 'ctypes.c_void_p'&gt;), ('visual_cue', ...</code>
<code>app_data</code>	<b>Value:</b> <code>&lt;Field type=c_void_p, ofs=0, size=8&gt;</code>
<code>delay</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=60, size=4&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=CFunctionType, ofs=24, size=8&gt;</code>
<code>do_not_clear</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>double_buffer</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=72, size=4&gt;</code>
<code>error_message</code>	<b>Value:</b> <code>&lt;Field type=CFunctionType, ofs=16, size=8&gt;</code>
<code>header_info</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=88, size=4&gt;</code>
<code>max_frames</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=56, size=4&gt;</code>
<code>no_auto_extension</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=64, size=4&gt;</code>
<code>report_frequency</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=68, size=4&gt;</code>
<code>rgbfile</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=32, size=8&gt;</code>

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Name	Description
trailblazer	<b>Value:</b> <Field type=c_ulong, ofs=80, size=8>
visual_cue	<b>Value:</b> <Field type=CFunctionType, ofs=8, size=8>
xdisplay	<b>Value:</b> <Field type=c_void_p, ofs=48, size=8>

## 2.59 Class FLIMAGE\_JPEG\_OPTION



### 2.59.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.59.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.59.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('quality', <class 'ctypes.c_int'>), ('smoothing', <clas...
<code>quality</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>smoothing</code>	<b>Value:</b> <Field type=c_int, ofs=4, size=4>

## 2.60 Class FLIMAGE\_FORMAT\_INFO



### 2.60.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

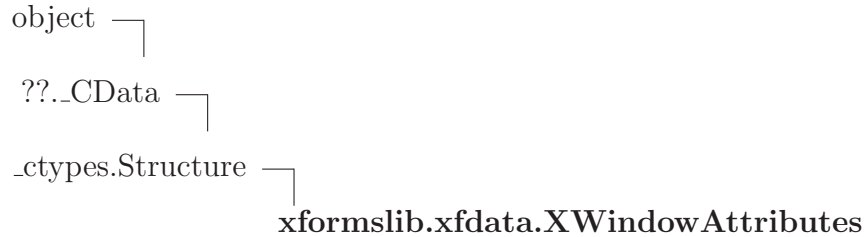
### 2.60.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.60.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('formal_name', <class 'ctypes.c_char_p'>), ('short_name...
<code>annotation</code>	<b>Value:</b> <Field type=c_int, ofs=32, size=4>
<code>extension</code>	<b>Value:</b> <Field type=c_char_p, ofs=16, size=8>
<code>formal_name</code>	<b>Value:</b> <Field type=c_char_p, ofs=0, size=8>
<code>read_write</code>	<b>Value:</b> <Field type=c_int, ofs=28, size=4>
<code>short_name</code>	<b>Value:</b> <Field type=c_char_p, ofs=8, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=24, size=4>

## 2.61 Class XWindowAttributes



### 2.61.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

## 2.61.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

## 2.61.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('x', &lt;class 'ctypes.c_int'&gt;), ('y', &lt;class 'ctypes.c_in...</code>
<code>all_event_masks</code>	<b>Value:</b> <code>&lt;Field type=c_long, ofs=96, size=8&gt;</code>
<code>backing_pixel</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=64, size=8&gt;</code>
<code>backing_planes</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=56, size=8&gt;</code>
<code>backing_store</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=52, size=4&gt;</code>
<code>bit_gravity</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>border_width</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>c_class</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>colormap</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=80, size=8&gt;</code>
<code>depth</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=20, size=4&gt;</code>
<code>do_not_propagate_mask</code>	<b>Value:</b> <code>&lt;Field type=c_long, ofs=112, size=8&gt;</code>
<code>height</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=12, size=4&gt;</code>
<code>map_installed</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=88, size=4&gt;</code>
<code>map_state</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=92, size=4&gt;</code>
<code>override_redirect</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=120, size=4&gt;</code>
<code>root</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>

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Name	Description
save_under	Value: <Field type=c_int, ofs=72, size=4>
screen	Value: <Field type=LP_Screen, ofs=128, size=8>
visual	Value: <Field type=LP_Visual, ofs=24, size=8>
width	Value: <Field type=c_int, ofs=8, size=4>
win_gravity	Value: <Field type=c_int, ofs=48, size=4>
x	Value: <Field type=c_int, ofs=0, size=4>
y	Value: <Field type=c_int, ofs=4, size=4>
your_event_mask	Value: <Field type=c_long, ofs=104, size=8>

## 2.62 Class XExtCodes



### 2.62.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

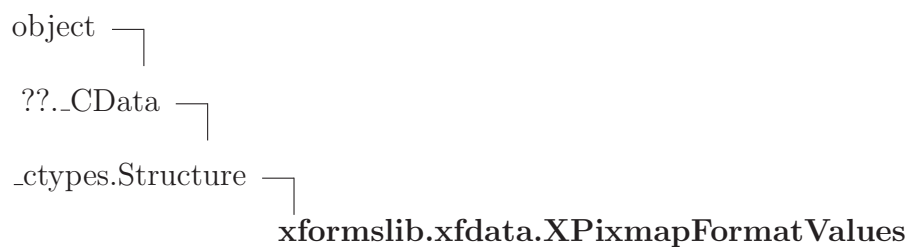
### 2.62.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.62.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('extension', <class 'ctypes.c_int'>), ('major_opcode', ...
<code>extension</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>first_error</code>	<b>Value:</b> <Field type=c_int, ofs=12, size=4>
<code>first_event</code>	<b>Value:</b> <Field type=c_int, ofs=8, size=4>
<code>major_opcode</code>	<b>Value:</b> <Field type=c_int, ofs=4, size=4>

## 2.63 Class XPixmapFormatValues



### 2.63.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.63.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.63.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('depth', &lt;class 'ctypes.c_int'&gt;), ('bits_per_pixel', &lt;c...</code>
<code>bits_per_pixel</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=4, size=4&gt;</code>
<code>depth</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>scanline_pad</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=8, size=4&gt;</code>

## 2.64 Class *XGCValues*



### 2.64.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

#### 2.64.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

#### 2.64.3 Class Variables

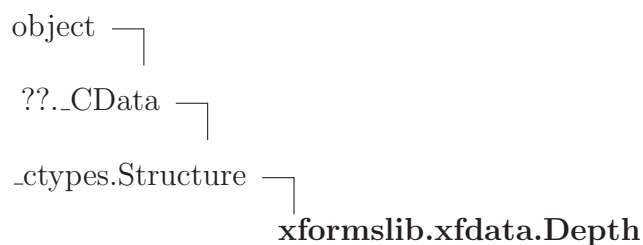
Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('function', &lt;class 'ctypes.c_int'&gt;), ('plane_mask', &lt;cl...</code>
<code>arc_mode</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=56, size=4&gt;</code>
<code>background</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=24, size=8&gt;</code>
<code>cap_style</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>clip_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=112, size=8&gt;</code>
<code>clip_x_origin</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=104, size=4&gt;</code>
<code>clip_y_origin</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=108, size=4&gt;</code>
<code>dash_offset</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=120, size=4&gt;</code>
<code>dashes</code>	<b>Value:</b> <code>&lt;Field type=c_char, ofs=124, size=1&gt;</code>
<code>fill_rule</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=52, size=4&gt;</code>
<code>fill_style</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>font</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=88, size=8&gt;</code>

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Name	Description
foreground	Value: <Field type=c_ulong, ofs=16, size=8>
function	Value: <Field type=c_int, ofs=0, size=4>
graphics_exposures	Value: <Field type=c_int, ofs=100, size=4>
join_style	Value: <Field type=c_int, ofs=44, size=4>
line_style	Value: <Field type=c_int, ofs=36, size=4>
line_width	Value: <Field type=c_int, ofs=32, size=4>
plane_mask	Value: <Field type=c_ulong, ofs=8, size=8>
stipple	Value: <Field type=c_ulong, ofs=72, size=8>
subwindow_mode	Value: <Field type=c_int, ofs=96, size=4>
tile	Value: <Field type=c_ulong, ofs=64, size=8>
ts_x_origin	Value: <Field type=c_int, ofs=80, size=4>
ts_y_origin	Value: <Field type=c_int, ofs=84, size=4>

## 2.65 Class Depth



### 2.65.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

***Inherited from ??.\_CData***

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

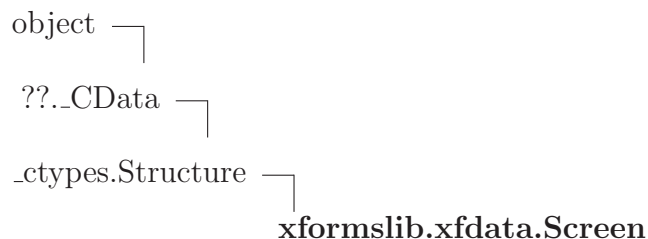
`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.65.2 Properties**

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.65.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('depth', &lt;class 'ctypes.c_int'&gt;), ('nvisuals', &lt;class '...'&gt;)]</code>
<code>depth</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>nvisuals</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=4, size=4&gt;</code>
<code>visuals</code>	<b>Value:</b> <code>&lt;Field type=LP_Visual, ofs=8, size=8&gt;</code>

**2.66 Class Screen**

### 2.66.1 Methods

#### *Inherited from ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.66.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

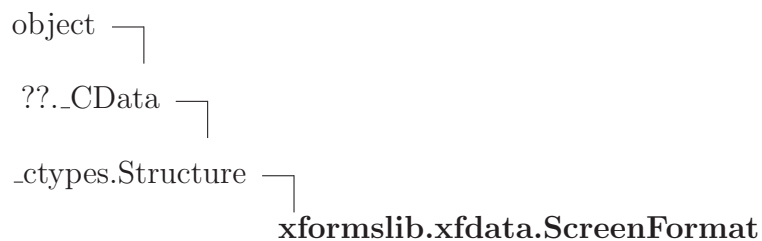
### 2.66.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('ext_data', <class 'xformslib.xfdata.LP__XExtData'>), (...
<code>backing_store</code>	<b>Value:</b> <Field type=c_int, ofs=112, size=4>
<code>black_pixel</code>	<b>Value:</b> <Field type=c_ulong, ofs=96, size=8>
<code>cmap</code>	<b>Value:</b> <Field type=c_ulong, ofs=80, size=8>
<code>default_gc</code>	<b>Value:</b> <Field type=LP__XGC, ofs=72, size=8>
<code>depths</code>	<b>Value:</b> <Field type=LP_Depth, ofs=48, size=8>
<code>display</code>	<b>Value:</b> <Field type=LP__XDisplay, ofs=8, size=8>
<code>ext_data</code>	<b>Value:</b> <Field type=LP__XExtData, ofs=0, size=8>
<code>height</code>	<b>Value:</b> <Field type=c_int, ofs=28, size=4>

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Name	Description
max_maps	Value: <Field type=c_int, ofs=104, size=4>
mheight	Value: <Field type=c_int, ofs=36, size=4>
min_maps	Value: <Field type=c_int, ofs=108, size=4>
mwidth	Value: <Field type=c_int, ofs=32, size=4>
ndepths	Value: <Field type=c_int, ofs=40, size=4>
root	Value: <Field type=c_ulong, ofs=16, size=8>
root_depth	Value: <Field type=c_int, ofs=56, size=4>
root_input_mask	Value: <Field type=c_long, ofs=120, size=8>
root_visual	Value: <Field type=LP_Visual, ofs=64, size=8>
save_unders	Value: <Field type=c_int, ofs=116, size=4>
white_pixel	Value: <Field type=c_ulong, ofs=88, size=8>
width	Value: <Field type=c_int, ofs=24, size=4>

## 2.67 Class ScreenFormat



### 2.67.1 Methods

*Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

*Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

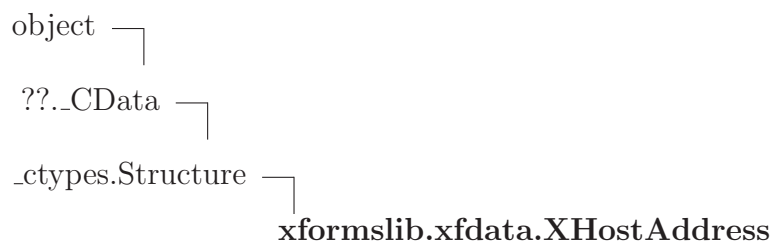
#### 2.67.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

#### 2.67.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('ext_data', &lt;class 'xformslib.xfdata.LP_XExtData'&gt;), (...</code>
<code>bits_per_pixel</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=12, size=4&gt;</code>
<code>depth</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=8, size=4&gt;</code>
<code>ext_data</code>	<b>Value:</b> <code>&lt;Field type=LP_XExtData, ofs=0, size=8&gt;</code>
<code>scanline_pad</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>

## 2.68 Class XHostAddress



### 2.68.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

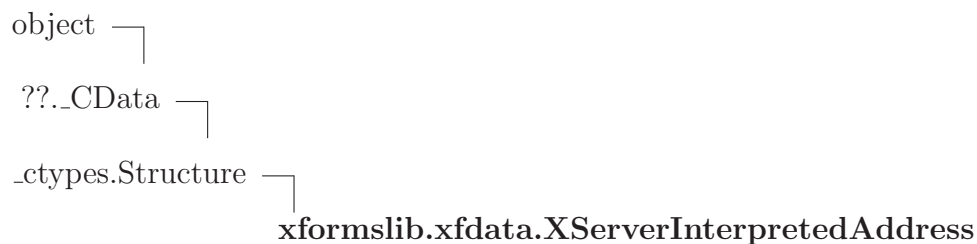
### 2.68.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.68.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('family', &lt;class 'ctypes.c_int'&gt;), ('length', &lt;class 'c...</code>
<code>address</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=8, size=8&gt;</code>
<code>family</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>length</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=4, size=4&gt;</code>

## 2.69 Class XServerInterpretedAddress



### 2.69.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.69.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

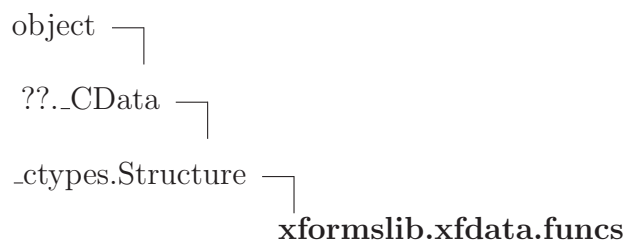
### 2.69.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('typelength', &lt;class 'ctypes.c_int'&gt;), ('valuelength', ...</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=8, size=8&gt;</code>
<code>typelength</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>

*continued on next page*

Name	Description
value	<b>Value:</b> <Field type=c_char_p, ofs=16, size=8>
valuelength	<b>Value:</b> <Field type=c_int, ofs=4, size=4>

## 2.70 Class funcs



### 2.70.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.70.2 Properties

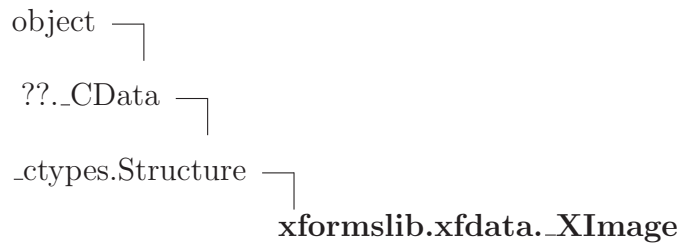
Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.70.3 Class Variables



Name	Description
<code>_fields_</code>	<b>Value:</b> [('create_image', <class 'ctypes.CFunctionType'>), ('dest...
<code>add_pixel</code>	<b>Value:</b> <Field type=CFunctionType, ofs=40, size=8>
<code>create_image</code>	<b>Value:</b> <Field type=CFunctionType, ofs=0, size=8>
<code>destroy_image</code>	<b>Value:</b> <Field type=CFunctionType, ofs=8, size=8>
<code>get_pixel</code>	<b>Value:</b> <Field type=CFunctionType, ofs=16, size=8>
<code>put_pixel</code>	<b>Value:</b> <Field type=CFunctionType, ofs=24, size=8>
<code>sub_image</code>	<b>Value:</b> <Field type=CFunctionType, ofs=32, size=8>

## 2.71 Class `_XImage`



### 2.71.1 Methods

#### *Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

#### *Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.71.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

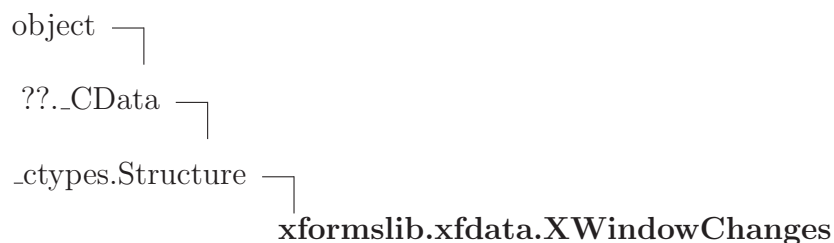
### 2.71.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('width', &lt;class 'ctypes.c_int'&gt;), ('height', &lt;class 'ct...</code>
<code>bitmap_bit_order</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=32, size=4&gt;</code>
<code>bitmap_pad</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>
<code>bitmap_unit</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=28, size=4&gt;</code>
<code>bits_per_pixel</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>blue_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=72, size=8&gt;</code>
<code>byte_order</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=24, size=4&gt;</code>
<code>bytes_per_line</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>data</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=16, size=8&gt;</code>
<code>depth</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>f</code>	<b>Value:</b> <code>&lt;Field type=funcs, ofs=88, size=48&gt;</code>
<code>format</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=12, size=4&gt;</code>
<code>green_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=64, size=8&gt;</code>
<code>height</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=4, size=4&gt;</code>
<code>obdata</code>	<b>Value:</b> <code>&lt;Field type=c_char_p, ofs=80, size=8&gt;</code>
<code>red_mask</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=56, size=8&gt;</code>

*continued on next page*

Name	Description
width	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
xoffset	<b>Value:</b> <Field type=c_int, ofs=8, size=4>

## 2.72 Class XWindowChanges



### 2.72.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

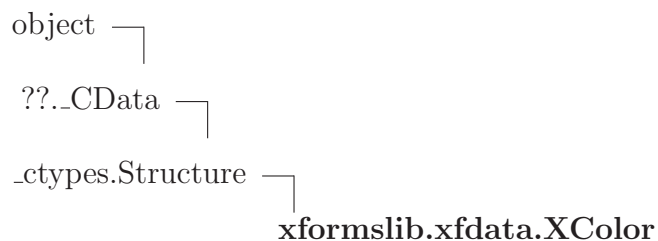
### 2.72.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.72.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('x', <class 'ctypes.c_int'>), ('y', <class 'ctypes.c_in...
<code>border_width</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>height</code>	<b>Value:</b> <Field type=c_int, ofs=12, size=4>
<code>sibling</code>	<b>Value:</b> <Field type=c_ulong, ofs=24, size=8>
<code>stack_mode</code>	<b>Value:</b> <Field type=c_int, ofs=32, size=4>
<code>width</code>	<b>Value:</b> <Field type=c_int, ofs=8, size=4>
<code>x</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>y</code>	<b>Value:</b> <Field type=c_int, ofs=4, size=4>

## 2.73 Class XColor



### 2.73.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.73.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.73.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('pixel', &lt;class 'ctypes.c_ulong'&gt;), ('red', &lt;class 'cty...</code>
<code>blue</code>	<b>Value:</b> <code>&lt;Field type=c_ushort, ofs=12, size=2&gt;</code>
<code>flags</code>	<b>Value:</b> <code>&lt;Field type=c_char, ofs=14, size=1&gt;</code>
<code>green</code>	<b>Value:</b> <code>&lt;Field type=c_ushort, ofs=10, size=2&gt;</code>
<code>pad</code>	<b>Value:</b> <code>&lt;Field type=c_char, ofs=15, size=1&gt;</code>
<code>pixel</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=0, size=8&gt;</code>
<code>red</code>	<b>Value:</b> <code>&lt;Field type=c_ushort, ofs=8, size=2&gt;</code>

## 2.74 Class XSegment



### 2.74.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

**Inherited from `??._CData`**

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

**Inherited from `object`**

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

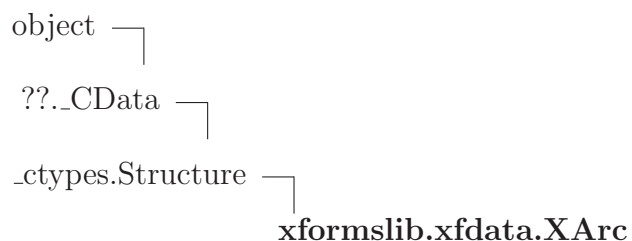
### 2.74.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.74.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('x1', &lt;class 'ctypes.c_short'&gt;), ('y1', &lt;class 'ctypes....</code>
<code>x1</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=0, size=2&gt;</code>
<code>x2</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=4, size=2&gt;</code>
<code>y1</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=2, size=2&gt;</code>
<code>y2</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=6, size=2&gt;</code>

## 2.75 Class XArc



### 2.75.1 Methods

#### *Inherited from ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.75.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.75.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('x', <class 'ctypes.c_short'>), ('y', <class 'ctypes.c_...]
<code>angle1</code>	<b>Value:</b> <Field type=c_short, ofs=8, size=2>
<code>angle2</code>	<b>Value:</b> <Field type=c_short, ofs=10, size=2>
<code>height</code>	<b>Value:</b> <Field type=c_ushort, ofs=6, size=2>
<code>width</code>	<b>Value:</b> <Field type=c_ushort, ofs=4, size=2>
<code>x</code>	<b>Value:</b> <Field type=c_short, ofs=0, size=2>
<code>y</code>	<b>Value:</b> <Field type=c_short, ofs=2, size=2>

## 2.76 Class XKeyboardControl



### 2.76.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??.CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.76.2 Properties

Name	Description
<i>Inherited from</i> <code>??.CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from</i> <code>object</code>	
<code>__class__</code>	

### 2.76.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('key_click_percent', &lt;class 'ctypes.c_int'&gt;), ('bell_pe...</code>
<code>auto_repeat_mode</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=28, size=4&gt;</code>
<code>bell_duration</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=12, size=4&gt;</code>

*continued on next page*



Name	Description
bell_percent	Value: <Field type=c_int, ofs=4, size=4>
bell_pitch	Value: <Field type=c_int, ofs=8, size=4>
key	Value: <Field type=c_int, ofs=24, size=4>
key_click_percent	Value: <Field type=c_int, ofs=0, size=4>
led	Value: <Field type=c_int, ofs=16, size=4>
led_mode	Value: <Field type=c_int, ofs=20, size=4>

## 2.77 Class XKeyboardState



### 2.77.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.77.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	

*continued on next page*

Name	Description
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.77.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('key_click_percent', <class 'ctypes.c_int'>), ('bell_pe...
<code>auto_repeats</code>	<b>Value:</b> <Field type=c_char Array_32, ofs=28, size=32>
<code>bell_duration</code>	<b>Value:</b> <Field type=c_uint, ofs=12, size=4>
<code>bell_percent</code>	<b>Value:</b> <Field type=c_int, ofs=4, size=4>
<code>bell_pitch</code>	<b>Value:</b> <Field type=c_uint, ofs=8, size=4>
<code>global_auto_repeat</code>	<b>Value:</b> <Field type=c_int, ofs=24, size=4>
<code>key_click_percent</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>led_mask</code>	<b>Value:</b> <Field type=c_ulong, ofs=16, size=8>

## 2.78 Class XTimeCoord



### 2.78.1 Methods

*Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

*Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

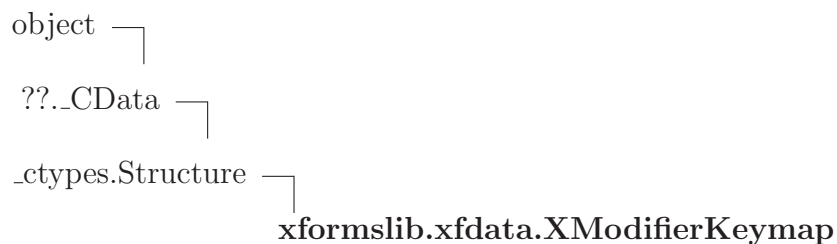
## 2.78.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

## 2.78.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('time', &lt;class 'ctypes.c_ulong'&gt;), ('x', &lt;class 'ctypes...</code>
<code>time</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=0, size=8&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=8, size=2&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_short, ofs=10, size=2&gt;</code>

## 2.79 Class XModifierKeymap



### 2.79.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

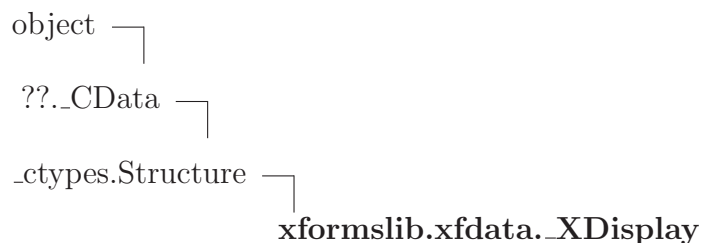
### 2.79.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.79.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('max_keypermod', &lt;class 'ctypes.c_int'&gt;), ('modifiermap...</code>
<code>max_keypermod</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>modifiermap</code>	<b>Value:</b> <code>&lt;Field type=LP_c_ubyte, ofs=8, size=8&gt;</code>

## 2.80 Class `_XDisplay`



### 2.80.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.80.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.80.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> []

## 2.81 Class XKeyEvent



### 2.81.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.81.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.81.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>keycode</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=84, size=4&gt;</code>
<code>root</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>same_screen</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=88, size=4&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>state</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=80, size=4&gt;</code>
<code>subwindow</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=48, size=8&gt;</code>
<code>time</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=56, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=64, size=4&gt;</code>

*continued on next page*

Name	Description
x_root	Value: <Field type=c_int, ofs=72, size=4>
y	Value: <Field type=c_int, ofs=68, size=4>
y_root	Value: <Field type=c_int, ofs=76, size=4>

## 2.82 Class XKeyEvent



### 2.82.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.82.2 Properties

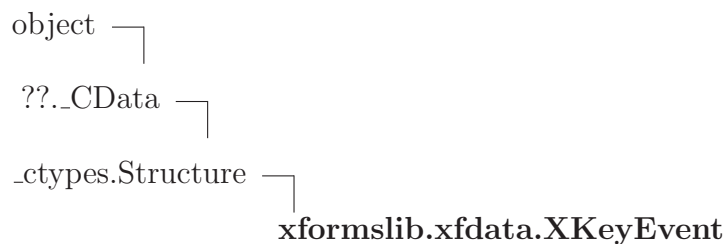
Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.82.3 Class Variables

Name	Description
_fields_	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
display	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
keycode	<b>Value:</b> <Field type=c_uint, ofs=84, size=4>
root	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>
same_screen	<b>Value:</b> <Field type=c_int, ofs=88, size=4>
send_event	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
serial	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
state	<b>Value:</b> <Field type=c_uint, ofs=80, size=4>
subwindow	<b>Value:</b> <Field type=c_ulong, ofs=48, size=8>
time	<b>Value:</b> <Field type=c_ulong, ofs=56, size=8>
type	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
window	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>
x	<b>Value:</b> <Field type=c_int, ofs=64, size=4>
x_root	<b>Value:</b> <Field type=c_int, ofs=72, size=4>
y	<b>Value:</b> <Field type=c_int, ofs=68, size=4>
y_root	<b>Value:</b> <Field type=c_int, ofs=76, size=4>



## 2.83 Class XKeyEvent



### 2.83.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.83.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.83.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>keycode</code>	<b>Value:</b> <Field type=c_uint, ofs=84, size=4>

*continued on next page*

Name	Description
root	Value: <Field type=c_ulong, ofs=40, size=8>
same_screen	Value: <Field type=c_int, ofs=88, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
state	Value: <Field type=c_uint, ofs=80, size=4>
subwindow	Value: <Field type=c_ulong, ofs=48, size=8>
time	Value: <Field type=c_ulong, ofs=56, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>
x	Value: <Field type=c_int, ofs=64, size=4>
x_root	Value: <Field type=c_int, ofs=72, size=4>
y	Value: <Field type=c_int, ofs=68, size=4>
y_root	Value: <Field type=c_int, ofs=76, size=4>

## 2.84 Class XButtonEvent



### 2.84.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.84.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

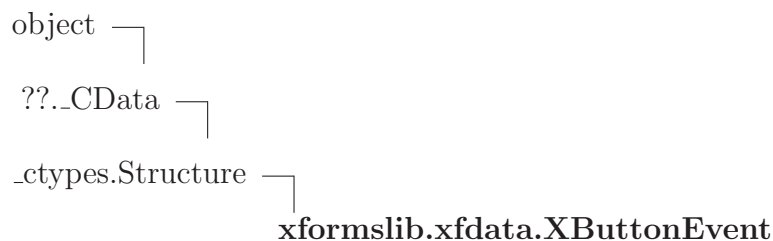
### 2.84.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>button</code>	<b>Value:</b> <Field type=c_uint, ofs=84, size=4>
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>root</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>
<code>same_screen</code>	<b>Value:</b> <Field type=c_int, ofs=88, size=4>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>state</code>	<b>Value:</b> <Field type=c_uint, ofs=80, size=4>
<code>subwindow</code>	<b>Value:</b> <Field type=c_ulong, ofs=48, size=8>
<code>time</code>	<b>Value:</b> <Field type=c_ulong, ofs=56, size=8>

*continued on next page*

Name	Description
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>
x	Value: <Field type=c_int, ofs=64, size=4>
x_root	Value: <Field type=c_int, ofs=72, size=4>
y	Value: <Field type=c_int, ofs=68, size=4>
y_root	Value: <Field type=c_int, ofs=76, size=4>

## 2.85 Class XButtonEvent



### 2.85.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.85.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	

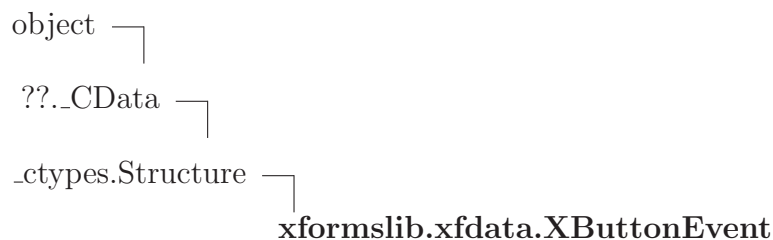
*continued on next page*

Name	Description
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.85.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>button</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=84, size=4&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>root</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>same_screen</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=88, size=4&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>state</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=80, size=4&gt;</code>
<code>subwindow</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=48, size=8&gt;</code>
<code>time</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=56, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=64, size=4&gt;</code>
<code>x_root</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=72, size=4&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=68, size=4&gt;</code>
<code>y_root</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=76, size=4&gt;</code>

## 2.86 Class XButtonEvent



### 2.86.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.86.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.86.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>button</code>	<b>Value:</b> <Field type=c_uint, ofs=84, size=4>
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>

*continued on next page*

Name	Description
root	Value: <Field type=c_ulong, ofs=40, size=8>
same_screen	Value: <Field type=c_int, ofs=88, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
state	Value: <Field type=c_uint, ofs=80, size=4>
subwindow	Value: <Field type=c_ulong, ofs=48, size=8>
time	Value: <Field type=c_ulong, ofs=56, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>
x	Value: <Field type=c_int, ofs=64, size=4>
x_root	Value: <Field type=c_int, ofs=72, size=4>
y	Value: <Field type=c_int, ofs=68, size=4>
y_root	Value: <Field type=c_int, ofs=76, size=4>

## 2.87 Class *XMotionEvent*



### 2.87.1 Methods

*Inherited from* *\_ctypes.Structure*

`__init__()`, `__new__()`

***Inherited from `??._CData`***

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.87.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.87.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>is_hint</code>	<b>Value:</b> <Field type=c_char, ofs=84, size=1>
<code>root</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>
<code>same_screen</code>	<b>Value:</b> <Field type=c_int, ofs=88, size=4>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>state</code>	<b>Value:</b> <Field type=c_uint, ofs=80, size=4>
<code>subwindow</code>	<b>Value:</b> <Field type=c_ulong, ofs=48, size=8>
<code>time</code>	<b>Value:</b> <Field type=c_ulong, ofs=56, size=8>

*continued on next page*



Name	Description
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>
x	Value: <Field type=c_int, ofs=64, size=4>
x_root	Value: <Field type=c_int, ofs=72, size=4>
y	Value: <Field type=c_int, ofs=68, size=4>
y_root	Value: <Field type=c_int, ofs=76, size=4>

## 2.88 Class *XMotionEvent*



### 2.88.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.88.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	

*continued on next page*

Name	Description
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.88.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>is_hint</code>	<b>Value:</b> <code>&lt;Field type=c_char, ofs=84, size=1&gt;</code>
<code>root</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>same_screen</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=88, size=4&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>state</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=80, size=4&gt;</code>
<code>subwindow</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=48, size=8&gt;</code>
<code>time</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=56, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=64, size=4&gt;</code>
<code>x_root</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=72, size=4&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=68, size=4&gt;</code>
<code>y_root</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=76, size=4&gt;</code>

## 2.89 Class `XCrossingEvent`



### 2.89.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `?.CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.89.2 Properties

Name	Description
<i>Inherited from <code>?.CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

### 2.89.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>detail</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=84, size=4&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>

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Name	Description
focus	Value: <Field type=c_int, ofs=92, size=4>
mode	Value: <Field type=c_int, ofs=80, size=4>
root	Value: <Field type=c_ulong, ofs=40, size=8>
same_screen	Value: <Field type=c_int, ofs=88, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
state	Value: <Field type=c_uint, ofs=96, size=4>
subwindow	Value: <Field type=c_ulong, ofs=48, size=8>
time	Value: <Field type=c_ulong, ofs=56, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>
x	Value: <Field type=c_int, ofs=64, size=4>
x_root	Value: <Field type=c_int, ofs=72, size=4>
y	Value: <Field type=c_int, ofs=68, size=4>
y_root	Value: <Field type=c_int, ofs=76, size=4>

## 2.90 Class *XCrossingEvent*



**2.90.1 Methods*****Inherited from ctypes.Structure***`__init__()`, `__new__()`***Inherited from ??.\_CData***`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`***Inherited from object***`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`**2.90.2 Properties**

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

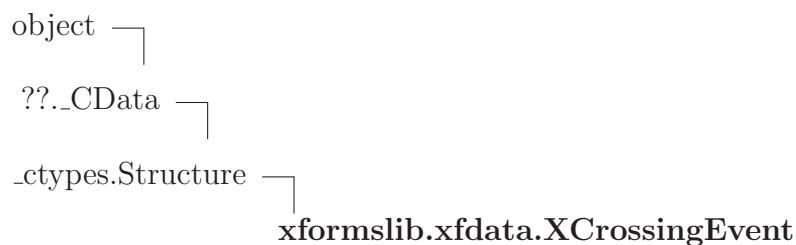
**2.90.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>detail</code>	<b>Value:</b> <Field type=c_int, ofs=84, size=4>
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>focus</code>	<b>Value:</b> <Field type=c_int, ofs=92, size=4>
<code>mode</code>	<b>Value:</b> <Field type=c_int, ofs=80, size=4>
<code>root</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>
<code>same_screen</code>	<b>Value:</b> <Field type=c_int, ofs=88, size=4>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>

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Name	Description
<code>serial</code>	Value: <Field type=c_ulong, ofs=8, size=8>
<code>state</code>	Value: <Field type=c_uint, ofs=96, size=4>
<code>subwindow</code>	Value: <Field type=c_ulong, ofs=48, size=8>
<code>time</code>	Value: <Field type=c_ulong, ofs=56, size=8>
<code>type</code>	Value: <Field type=c_int, ofs=0, size=4>
<code>window</code>	Value: <Field type=c_ulong, ofs=32, size=8>
<code>x</code>	Value: <Field type=c_int, ofs=64, size=4>
<code>x_root</code>	Value: <Field type=c_int, ofs=72, size=4>
<code>y</code>	Value: <Field type=c_int, ofs=68, size=4>
<code>y_root</code>	Value: <Field type=c_int, ofs=76, size=4>

## 2.91 Class `XCrossingEvent`



### 2.91.1 Methods

#### *Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

#### *Inherited from `??._CData`*

`__ctype_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.91.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

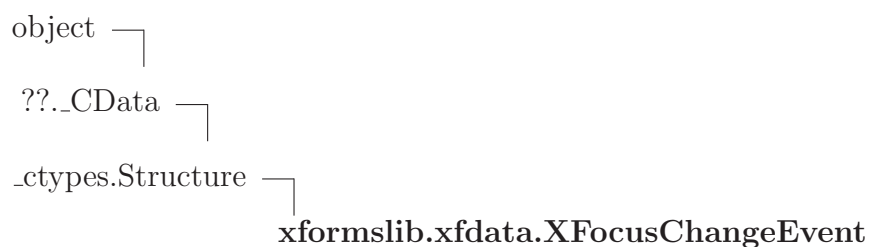
### 2.91.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>detail</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=84, size=4&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP__XDisplay, ofs=24, size=8&gt;</code>
<code>focus</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=92, size=4&gt;</code>
<code>mode</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=80, size=4&gt;</code>
<code>root</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>same_screen</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=88, size=4&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>state</code>	<b>Value:</b> <code>&lt;Field type=c_uint, ofs=96, size=4&gt;</code>
<code>subwindow</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=48, size=8&gt;</code>
<code>time</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=56, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>

*continued on next page*

Name	Description
window	Value: <Field type=c_ulong, ofs=32, size=8>
x	Value: <Field type=c_int, ofs=64, size=4>
x_root	Value: <Field type=c_int, ofs=72, size=4>
y	Value: <Field type=c_int, ofs=68, size=4>
y_root	Value: <Field type=c_int, ofs=76, size=4>

## 2.92 Class XFocusChangeEvent



### 2.92.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??._CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.92.2 Properties

Name	Description
<i>Inherited from</i> <code>??._CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	

*continued on next page*

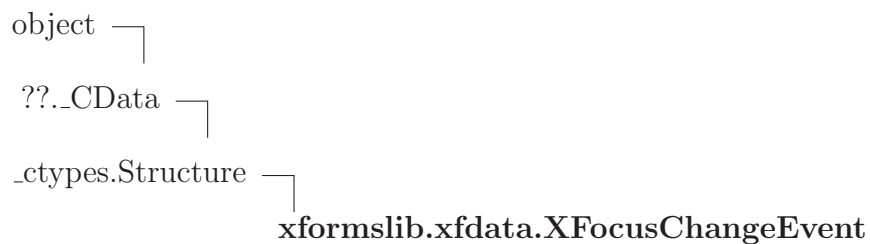


Name	Description
<i>Inherited from object</i>	
__class__	

### 2.92.3 Class Variables

Name	Description
_fields_	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
detail	<b>Value:</b> <Field type=c_int, ofs=44, size=4>
display	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
mode	<b>Value:</b> <Field type=c_int, ofs=40, size=4>
send_event	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
serial	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
type	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
window	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>

## 2.93 Class XFocusChangeEvent



### 2.93.1 Methods

*Inherited from \_ctypes.Structure*

\_\_init\_\_(), \_\_new\_\_()

*Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

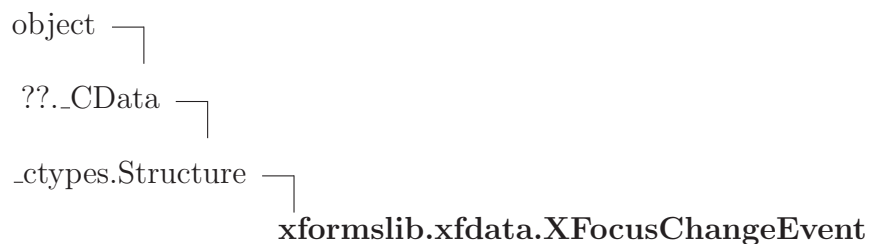
### 2.93.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.93.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>detail</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>mode</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>

## 2.94 Class XFocusChangeEvent



### 2.94.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??.CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.94.2 Properties

Name	Description
<i>Inherited from</i> <code>??.CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from</i> <code>object</code>	
<code>__class__</code>	

### 2.94.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'ctypes.c_int'&gt;)]</code>
<code>detail</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>

*continued on next page*

Name	Description
mode	Value: <Field type=c_int, ofs=40, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>

## 2.95 Class XKeymapEvent



### 2.95.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??.CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.95.2 Properties

Name	Description
<i>Inherited from</i> <code>??.CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	

*continued on next page*

Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.95.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>key_vector</code>	<b>Value:</b> <Field type=c_char_Array_32, ofs=40, size=32>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>window</code>	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>

## 2.96 Class XExposeEvent



### 2.96.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

**Inherited from object**

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

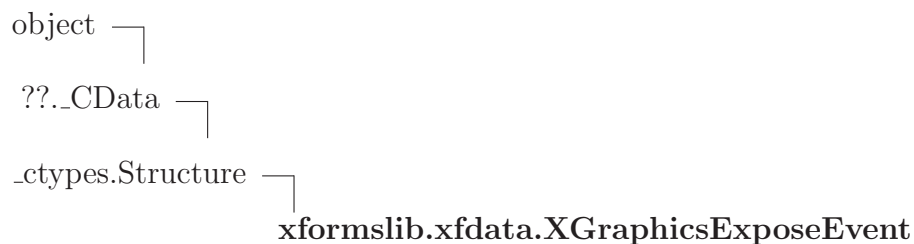
**2.96.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.96.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>count</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=56, size=4&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP__XDisplay, ofs=24, size=8&gt;</code>
<code>height</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=52, size=4&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>width</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>

## 2.97 Class XGraphicsExposeEvent



### 2.97.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.97.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.97.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>count</code>	<b>Value:</b> <Field type=c_int, ofs=56, size=4>
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>

*continued on next page*

Name	Description
drawable	Value: <Field type=c_ulong, ofs=32, size=8>
height	Value: <Field type=c_int, ofs=52, size=4>
major_code	Value: <Field type=c_int, ofs=60, size=4>
minor_code	Value: <Field type=c_int, ofs=64, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
width	Value: <Field type=c_int, ofs=48, size=4>
x	Value: <Field type=c_int, ofs=40, size=4>
y	Value: <Field type=c_int, ofs=44, size=4>

## 2.98 Class XNoExposeEvent



### 2.98.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*



`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.98.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.98.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>drawable</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>major_code</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=40, size=4&gt;</code>
<code>minor_code</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=44, size=4&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>

## 2.99 Class XVisibilityEvent

```

object └─
  ??._CData └─
    _ctypes.Structure └─
      xformslib.xfdata.XVisibilityEvent

```

### 2.99.1 Methods

#### *Inherited from ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.99.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.99.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>state</code>	<b>Value:</b> <Field type=c_int, ofs=40, size=4>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>window</code>	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>

## 2.100 Class XCreateWindowEvent



### 2.100.1 Methods

*Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

*Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

*Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.100.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.100.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>border_width</code>	<b>Value:</b> <Field type=c_int, ofs=64, size=4>
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>

*continued on next page*

Name	Description
height	Value: <Field type=c_int, ofs=60, size=4>
override_redirect	Value: <Field type=c_int, ofs=68, size=4>
parent	Value: <Field type=c_ulong, ofs=32, size=8>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
width	Value: <Field type=c_int, ofs=56, size=4>
window	Value: <Field type=c_ulong, ofs=40, size=8>
x	Value: <Field type=c_int, ofs=48, size=4>
y	Value: <Field type=c_int, ofs=52, size=4>

## 2.101 Class XDestroyWindowEvent



### 2.101.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.101.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.101.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>event</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>

## 2.102 Class XUnmapEvent



**2.102.1 Methods***Inherited from ctypes.Structure*`__init__()`, `__new__()`*Inherited from ??.\_CData*`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`*Inherited from object*`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`**2.102.2 Properties**

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.102.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>event</code>	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>
<code>from_configure</code>	<b>Value:</b> <Field type=c_int, ofs=48, size=4>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>window</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>

## 2.103 Class XMapEvent



### 2.103.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??.CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.103.2 Properties

Name	Description
<i>Inherited from</i> <code>??.CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from</i> <code>object</code>	
<code>__class__</code>	

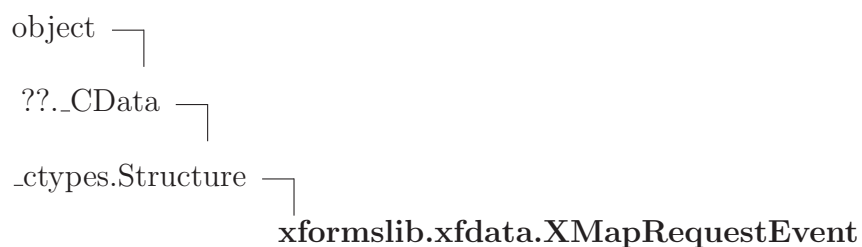
### 2.103.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>event</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>

*continued on next page*

Name	Description
override_redirect	Value: <Field type=c_int, ofs=48, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=40, size=8>

## 2.104 Class XMapRequestEvent



### 2.104.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.104.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	

*continued on next page*



Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.104.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>parent</code>	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>window</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>

## 2.105 Class XReparentEvent



### 2.105.1 Methods

*Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

*Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.105.2 Properties**

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.105.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>event</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>override_redirect</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=64, size=4&gt;</code>
<code>parent</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=48, size=8&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=56, size=4&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=60, size=4&gt;</code>

## 2.106 Class XConfigureEvent



### 2.106.1 Methods

#### *Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

#### *Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.106.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.106.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>above</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=72, size=8&gt;</code>
<code>border_width</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=64, size=4&gt;</code>

*continued on next page*

Name	Description
display	Value: <Field type=LP_XDisplay, ofs=24, size=8>
event	Value: <Field type=c_ulong, ofs=32, size=8>
height	Value: <Field type=c_int, ofs=60, size=4>
override_redirect	Value: <Field type=c_int, ofs=80, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
width	Value: <Field type=c_int, ofs=56, size=4>
window	Value: <Field type=c_ulong, ofs=40, size=8>
x	Value: <Field type=c_int, ofs=48, size=4>
y	Value: <Field type=c_int, ofs=52, size=4>

## 2.107 Class XGravityEvent



### 2.107.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??..CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

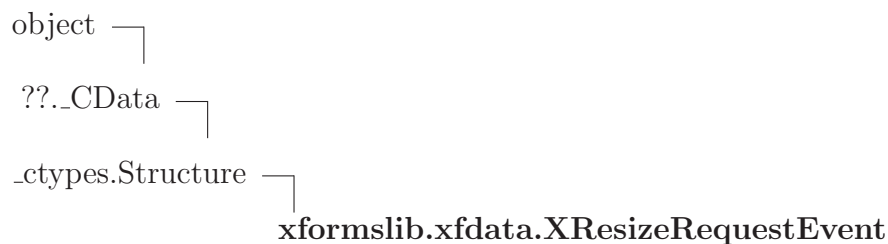
**2.107.2 Properties**

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.107.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>event</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>x</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>y</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=52, size=4&gt;</code>

## 2.108 Class XResizeRequestEvent



### 2.108.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.108.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

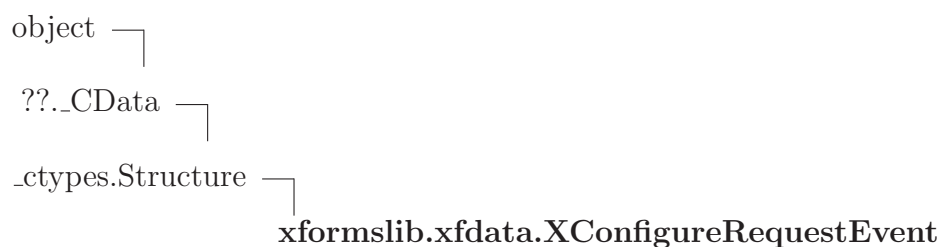
### 2.108.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>height</code>	<b>Value:</b> <Field type=c_int, ofs=44, size=4>

*continued on next page*

Name	Description
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
width	Value: <Field type=c_int, ofs=40, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>

## 2.109 Class XConfigureRequestEvent



### 2.109.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.109.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	

*continued on next page*

Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.109.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>above</code>	<b>Value:</b> <Field type=c_ulong, ofs=72, size=8>
<code>border_width</code>	<b>Value:</b> <Field type=c_int, ofs=64, size=4>
<code>detail</code>	<b>Value:</b> <Field type=c_int, ofs=80, size=4>
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>height</code>	<b>Value:</b> <Field type=c_int, ofs=60, size=4>
<code>parent</code>	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>value_mask</code>	<b>Value:</b> <Field type=c_ulong, ofs=88, size=8>
<code>width</code>	<b>Value:</b> <Field type=c_int, ofs=56, size=4>
<code>window</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>
<code>x</code>	<b>Value:</b> <Field type=c_int, ofs=48, size=4>
<code>y</code>	<b>Value:</b> <Field type=c_int, ofs=52, size=4>



## 2.110 Class XCirculateEvent



### 2.110.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??._CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.110.2 Properties

Name	Description
<i>Inherited from</i> <code>??._CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from</i> <code>object</code>	
<code>__class__</code>	

### 2.110.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>event</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>

*continued on next page*

Name	Description
place	Value: <Field type=c_int, ofs=48, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=40, size=8>

### 2.111 Class XCirculateRequestEvent



#### 2.111.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

#### 2.111.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	

*continued on next page*

Name	Description
<i>Inherited from object</i>	
__class__	

### 2.111.3 Class Variables

Name	Description
_fields_	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
display	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
parent	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>
place	<b>Value:</b> <Field type=c_int, ofs=48, size=4>
send_event	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
serial	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
type	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
window	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>

## 2.112 Class XPropertyEvent



### 2.112.1 Methods

*Inherited from \_ctypes.Structure*

\_\_init\_\_(), \_\_new\_\_()

*Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

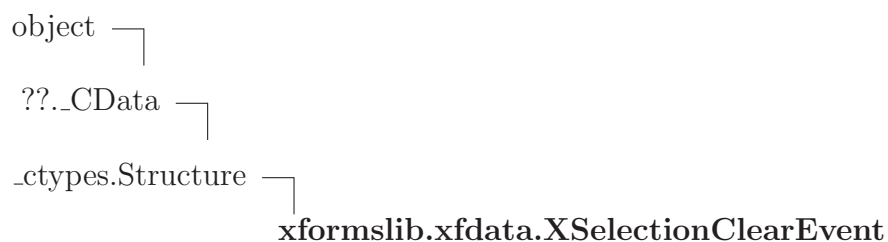
#### 2.112.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

#### 2.112.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>atom</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>state</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=56, size=4&gt;</code>
<code>time</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=48, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>

## 2.113 Class XSelectionClearEvent



### 2.113.1 Methods

*Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

*Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

*Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.113.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.113.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>selection</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>

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Name	Description
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
time	Value: <Field type=c_ulong, ofs=48, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>

## 2.114 Class XSelectionRequestEvent



### 2.114.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??.CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.114.2 Properties

Name	Description
<i>Inherited from</i> <code>??.CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	

*continued on next page*

Name	Description
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.114.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>owner</code>	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>
<code>property</code>	<b>Value:</b> <Field type=c_ulong, ofs=64, size=8>
<code>requestor</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>
<code>selection</code>	<b>Value:</b> <Field type=c_ulong, ofs=48, size=8>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>target</code>	<b>Value:</b> <Field type=c_ulong, ofs=56, size=8>
<code>time</code>	<b>Value:</b> <Field type=c_ulong, ofs=72, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>

### 2.115 Class XSelectionEvent



## 2.115.1 Methods

*Inherited from ctypes.Structure*`__init__()`, `__new__()`*Inherited from ??.\_CData*`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`*Inherited from object*`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

## 2.115.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

## 2.115.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>property</code>	<b>Value:</b> <Field type=c_ulong, ofs=56, size=8>
<code>requestor</code>	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>
<code>selection</code>	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>target</code>	<b>Value:</b> <Field type=c_ulong, ofs=48, size=8>

*continued on next page*



Name	Description
time	<b>Value:</b> <Field type=c_ulong, ofs=64, size=8>
type	<b>Value:</b> <Field type=c_int, ofs=0, size=4>

## 2.116 Class XColormapEvent



### 2.116.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

*Inherited from ??.CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.116.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.116.3 Class Variables

Name	Description
_fields_	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
c_new	<b>Value:</b> <Field type=c_int, ofs=48, size=4>
colormap	<b>Value:</b> <Field type=c_ulong, ofs=40, size=8>
display	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
send_event	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
serial	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
state	<b>Value:</b> <Field type=c_int, ofs=52, size=4>
type	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
window	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>

## 2.117 Class N19XClientMessageEvent4DOT\_71E

```

object └─
  ??._CData └─
    _ctypes.Union └─
      xformslib.xfdata.N19XClientMessageEvent4DOT_71E

```

### 2.117.1 Methods

*Inherited from \_ctypes.Union*

`__init__()`, `__new__()`

*Inherited from ??.\_CData*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

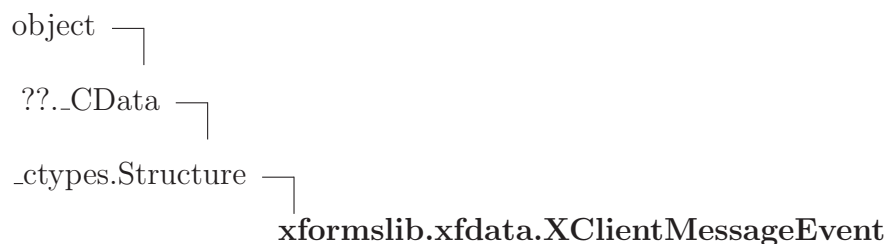
### 2.117.2 Properties

Name	Description
<i>Inherited from <code>??._CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.117.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('b', &lt;class 'xformslib.xfdata.c_char_Array_20'&gt;), ('s', ...</code>
<code>b</code>	<b>Value:</b> <code>&lt;Field type=c_char_Array_20, ofs=0, size=20&gt;</code>
<code>l</code>	<b>Value:</b> <code>&lt;Field type=c_long_Array_5, ofs=0, size=40&gt;</code>
<code>s</code>	<b>Value:</b> <code>&lt;Field type=c_short_Array_10, ofs=0, size=20&gt;</code>

## 2.118 Class XClientMessageEvent



### 2.118.1 Methods

*Inherited from `_ctypes.Structure`*

`__init__()`, `__new__()`

*Inherited from `??._CData`*

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

#### 2.118.2 Properties

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

#### 2.118.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>data</code>	<b>Value:</b> <code>&lt;Field type=N19XClientMessageEvent4DOT_71E, ofs=56, size=40&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP__XDisplay, ofs=24, size=8&gt;</code>
<code>format</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>message_type</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=40, size=8&gt;</code>
<code>send_event</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=16, size=4&gt;</code>
<code>serial</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=8, size=8&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>window</code>	<b>Value:</b> <code>&lt;Field type=c_ulong, ofs=32, size=8&gt;</code>

## 2.119 Class XMappingEvent



### 2.119.1 Methods

*Inherited from* `_ctypes.Structure`

`__init__()`, `__new__()`

*Inherited from* `??.CData`

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

*Inherited from* `object`

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

### 2.119.2 Properties

Name	Description
<i>Inherited from</i> <code>??.CData</code>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from</i> <code>object</code>	
<code>__class__</code>	

### 2.119.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>count</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=48, size=4&gt;</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>

*continued on next page*

Name	Description
first_keycode	Value: <Field type=c_int, ofs=44, size=4>
request	Value: <Field type=c_int, ofs=40, size=4>
send_event	Value: <Field type=c_int, ofs=16, size=4>
serial	Value: <Field type=c_ulong, ofs=8, size=8>
type	Value: <Field type=c_int, ofs=0, size=4>
window	Value: <Field type=c_ulong, ofs=32, size=8>

## 2.120 Class XErrorEvent



### 2.120.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattr--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.120.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	

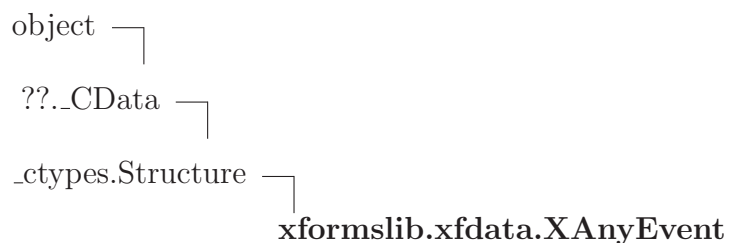
*continued on next page*

Name	Description
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.120.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('display', <class 'xf...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=8, size=8>
<code>error_code</code>	<b>Value:</b> <Field type=c_ubyte, ofs=32, size=1>
<code>minor_code</code>	<b>Value:</b> <Field type=c_ubyte, ofs=34, size=1>
<code>request_code</code>	<b>Value:</b> <Field type=c_ubyte, ofs=33, size=1>
<code>resourceid</code>	<b>Value:</b> <Field type=c_ulong, ofs=16, size=8>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=24, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>

## 2.121 Class XAnyEvent



### 2.121.1 Methods

*Inherited from \_ctypes.Structure*

`__init__()`, `__new__()`

***Inherited from ??.\_CData***

`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.121.2 Properties**

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.121.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>
<code>window</code>	<b>Value:</b> <Field type=c_ulong, ofs=32, size=8>



## 2.122 Class XGenericEvent



### 2.122.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.\_CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.122.2 Properties

Name	Description
<i>Inherited from ??._CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

### 2.122.3 Class Variables

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('serial', &lt;class 'cty...</code>
<code>display</code>	<b>Value:</b> <code>&lt;Field type=LP_XDisplay, ofs=24, size=8&gt;</code>
<code>evtype</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=36, size=4&gt;</code>

*continued on next page*

Name	Description
extension	<b>Value:</b> <Field type=c_int, ofs=32, size=4>
send_event	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
serial	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
type	<b>Value:</b> <Field type=c_int, ofs=0, size=4>

## 2.123 Class XGenericEventCookie



### 2.123.1 Methods

#### *Inherited from \_ctypes.Structure*

`--init--()`, `--new--()`

#### *Inherited from ??.CData*

`--ctypes_from_outparam--()`, `--hash--()`, `--reduce--()`, `--setstate--()`

#### *Inherited from object*

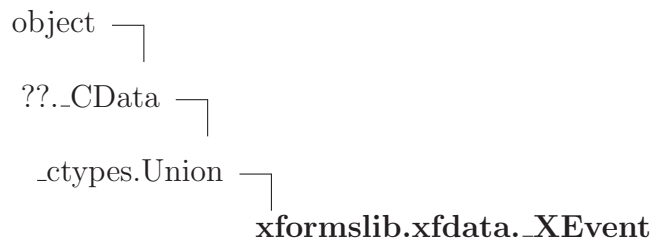
`--delattr--()`, `--format--()`, `--getattribute--()`, `--reduce_ex--()`, `--repr--()`, `--setattr--()`, `--sizeof--()`, `--str--()`, `--subclasshook--()`

### 2.123.2 Properties

Name	Description
<i>Inherited from ??.CData</i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>--class--</code>	

**2.123.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> [('type', <class 'ctypes.c_int'>), ('serial', <class 'cty...
<code>cookie</code>	<b>Value:</b> <Field type=c_uint, ofs=40, size=4>
<code>data</code>	<b>Value:</b> <Field type=c_void_p, ofs=48, size=8>
<code>display</code>	<b>Value:</b> <Field type=LP_XDisplay, ofs=24, size=8>
<code>evtype</code>	<b>Value:</b> <Field type=c_int, ofs=36, size=4>
<code>extension</code>	<b>Value:</b> <Field type=c_int, ofs=32, size=4>
<code>send_event</code>	<b>Value:</b> <Field type=c_int, ofs=16, size=4>
<code>serial</code>	<b>Value:</b> <Field type=c_ulong, ofs=8, size=8>
<code>type</code>	<b>Value:</b> <Field type=c_int, ofs=0, size=4>

**2.124 Class `_XEvent`****2.124.1 Methods***Inherited from `_ctypes.Union`*`__init__()`, `__new__()`*Inherited from `??._CData`*`__ctypes_from_outparam__()`, `__hash__()`, `__reduce__()`, `__setstate__()`

***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`,  
`__sizeof__()`, `__str__()`, `__subclasshook__()`

**2.124.2 Properties**

Name	Description
<i>Inherited from <code>??_CData</code></i>	
<code>_b_base_</code> , <code>_b_needsfree_</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

**2.124.3 Class Variables**

Name	Description
<code>_fields_</code>	<b>Value:</b> <code>[('type', &lt;class 'ctypes.c_int'&gt;), ('xany', &lt;class 'xform...</code>
<code>pad</code>	<b>Value:</b> <code>&lt;Field type=c_long Array 24, ofs=0, size=192&gt;</code>
<code>type</code>	<b>Value:</b> <code>&lt;Field type=c_int, ofs=0, size=4&gt;</code>
<code>xany</code>	<b>Value:</b> <code>&lt;Field type=XAnyEvent, ofs=0, size=40&gt;</code>
<code>xbutton</code>	<b>Value:</b> <code>&lt;Field type=XButtonEvent, ofs=0, size=96&gt;</code>
<code>xcirculate</code>	<b>Value:</b> <code>&lt;Field type=XCirculateEvent, ofs=0, size=56&gt;</code>
<code>xcirculaterequest</code>	<b>Value:</b> <code>&lt;Field type=XCirculateRequestEvent, ofs=0, size=56&gt;</code>
<code>xclient</code>	<b>Value:</b> <code>&lt;Field type=XClientMessageEvent, ofs=0, size=96&gt;</code>
<code>xcolormap</code>	<b>Value:</b> <code>&lt;Field type=XColormapEvent, ofs=0, size=56&gt;</code>
<code>xconfigure</code>	<b>Value:</b> <code>&lt;Field type=XConfigureEvent, ofs=0, size=88&gt;</code>
<code>xconfigurerequest</code>	<b>Value:</b> <code>&lt;Field type=XConfigureRequestEvent, ofs=0, size=96&gt;</code>
<code>xcookie</code>	<b>Value:</b> <code>&lt;Field type=XGenericEventCookie, ofs=0, size=56&gt;</code>

*continued on next page*

Name	Description
<code>xcreatewindow</code>	<b>Value:</b> <Field type= <code>XCreateWindowEvent</code> , ofs=0, size=72>
<code>xcrossing</code>	<b>Value:</b> <Field type= <code>XCrossingEvent</code> , ofs=0, size=104>
<code>xdestroywindow</code>	<b>Value:</b> <Field type= <code>XDestroyWindowEvent</code> , ofs=0, size=48>
<code>xerror</code>	<b>Value:</b> <Field type= <code>XErrorEvent</code> , ofs=0, size=40>
<code>xexpose</code>	<b>Value:</b> <Field type= <code>XExposeEvent</code> , ofs=0, size=64>
<code>xfocus</code>	<b>Value:</b> <Field type= <code>XFocusChangeEvent</code> , ofs=0, size=48>
<code>xgeneric</code>	<b>Value:</b> <Field type= <code>XGenericEvent</code> , ofs=0, size=40>
<code>xgraphicsexpose</code>	<b>Value:</b> <Field type= <code>XGraphicsExposeEvent</code> , ofs=0, size=72>
<code>xgravity</code>	<b>Value:</b> <Field type= <code>XGravityEvent</code> , ofs=0, size=56>
<code>xkey</code>	<b>Value:</b> <Field type= <code>XKeyEvent</code> , ofs=0, size=96>
<code>xkeymap</code>	<b>Value:</b> <Field type= <code>XKeymapEvent</code> , ofs=0, size=72>
<code>xmap</code>	<b>Value:</b> <Field type= <code>XMapEvent</code> , ofs=0, size=56>
<code>xmapping</code>	<b>Value:</b> <Field type= <code>XMappingEvent</code> , ofs=0, size=56>
<code>xmaprequest</code>	<b>Value:</b> <Field type= <code>XMapRequestEvent</code> , ofs=0, size=48>
<code>xmotion</code>	<b>Value:</b> <Field type= <code>XMotionEvent</code> , ofs=0, size=96>
<code>xnoexpose</code>	<b>Value:</b> <Field type= <code>XNoExposeEvent</code> , ofs=0, size=48>
<code>xproperty</code>	<b>Value:</b> <Field type= <code>XPropertyEvent</code> , ofs=0, size=64>
<code>xreparent</code>	<b>Value:</b> <Field type= <code>XReparentEvent</code> , ofs=0, size=72>
<code>xresizerequest</code>	<b>Value:</b> <Field type= <code>XResizeRequestEvent</code> , ofs=0, size=48>
<code>xselection</code>	<b>Value:</b> <Field type= <code>XSelectionEvent</code> , ofs=0, size=72>

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Name	Description
xselectionclear	<b>Value:</b> <Field type=XSelectionClearEvent, ofs=0, size=56>
xselectionrequest	<b>Value:</b> <Field type=XSelectionRequestEvent, ofs=0, size=80>
xunmap	<b>Value:</b> <Field type=XUnmapEvent, ofs=0, size=56>
xvisibility	<b>Value:</b> <Field type=XVisibilityEvent, ofs=0, size=48>

## Index

xformslib (*package*)

xformslib.library (*module*), 12–111

xformslib.library.button\_down (*function*),  
47

xformslib.library.cfuncproto (*function*),  
13

xformslib.library.check\_admitted\_listvalues  
(*function*), 14

xformslib.library.controlkey\_down (*func-  
tion*), 47

xformslib.library.convert\_to\_double (*func-  
tion*), 13

xformslib.library.convert\_to\_float (*func-  
tion*), 13

xformslib.library.convert\_to\_int (*function*),  
13

xformslib.library.convert\_to\_long (*func-  
tion*), 13

xformslib.library.convert\_to\_string (*func-  
tion*), 13

xformslib.library.convert\_to\_ubyte (*func-  
tion*), 14

xformslib.library.convert\_to\_uint (*func-  
tion*), 13

xformslib.library.convert\_to\_ulong (*func-  
tion*), 13

xformslib.library.FL\_abs (*function*), 35

xformslib.library.fl\_activate\_all\_forms (*func-  
tion*), 19

xformslib.library.fl\_activate\_event\_callbacks  
(*function*), 46

xformslib.library.fl\_activate\_form (*func-  
tion*), 19

xformslib.library.fl\_activate\_glcanvas (*func-  
tion*), 63

xformslib.library.fl\_activate\_object (*func-  
tion*), 33

xformslib.library.fl\_add\_bitmap (*function*),  
53

xformslib.library.fl\_add\_bitmapbutton (*func-  
tion*), 59

xformslib.library.fl\_add\_box (*function*),

55

xformslib.library.fl\_add\_browser (*function*),  
55

xformslib.library.fl\_add\_browser\_line (*func-  
tion*), 55

xformslib.library.fl\_add\_button (*function*),  
59

xformslib.library.fl\_add\_button\_class (*func-  
tion*), 61

xformslib.library.fl\_add\_canvas (*function*),  
62

xformslib.library.fl\_add\_canvas\_handler (*func-  
tion*), 62

xformslib.library.fl\_add\_chart (*function*),  
64

xformslib.library.fl\_add\_chart\_value (*func-  
tion*), 64

xformslib.library.fl\_add\_checkbutton (*func-  
tion*), 59

xformslib.library.fl\_add\_child (*function*),  
36

xformslib.library.fl\_add\_choice (*function*),  
65

xformslib.library.fl\_add\_clock (*function*),  
66

xformslib.library.fl\_add\_counter (*function*),  
67

xformslib.library.fl\_add\_dial (*function*),  
68

xformslib.library.fl\_add\_event\_callback (*func-  
tion*), 46

xformslib.library.fl\_add\_formbrowser (*func-  
tion*), 71

xformslib.library.fl\_add\_frame (*function*),  
72

xformslib.library.fl\_add\_free (*function*),  
72

xformslib.library.fl\_add\_fselector\_appbutton  
(*function*), 76

xformslib.library.fl\_add\_glcanvas (*func-  
tion*), 63

xformslib.library.fl\_add\_input (*function*),

- 76
- xformslib.library.fl\_add\_io\_callback (*function*), 15
- xformslib.library.fl\_add\_labelbutton (*function*), 59
- xformslib.library.fl\_add\_labelframe (*function*), 72
- xformslib.library.fl\_add\_lightbutton (*function*), 59
- xformslib.library.fl\_add\_menu (*function*), 79
- xformslib.library.fl\_add\_nmenu (*function*), 80
- xformslib.library.fl\_add\_nmenu\_items (*function*), 80
- xformslib.library.fl\_add\_object (*function*), 36
- xformslib.library.fl\_add\_pixmap (*function*), 54
- xformslib.library.fl\_add\_pixmapbutton (*function*), 60
- xformslib.library.fl\_add\_positioner (*function*), 82
- xformslib.library.fl\_add\_round3dbutton (*function*), 59
- xformslib.library.fl\_add\_roundbutton (*function*), 59
- xformslib.library.fl\_add\_scrollbar (*function*), 83
- xformslib.library.fl\_add\_scrollbutton (*function*), 59
- xformslib.library.fl\_add\_select (*function*), 83
- xformslib.library.fl\_add\_select\_items (*function*), 83
- xformslib.library.fl\_add\_signal\_callback (*function*), 15
- xformslib.library.fl\_add\_slider (*function*), 85
- xformslib.library.fl\_add\_spinner (*function*), 86
- xformslib.library.fl\_add\_symbol (*function*), 34
- xformslib.library.fl\_add\_tabfolder (*function*), 87
- xformslib.library.fl\_add\_text (*function*), 89
- xformslib.library.fl\_add\_thumbwheel (*function*), 90
- xformslib.library.fl\_add\_timeout (*function*), 16
- xformslib.library.fl\_add\_timer (*function*), 90
- xformslib.library.fl\_add\_valslider (*function*), 85
- xformslib.library.fl\_add\_xyplot (*function*), 94
- xformslib.library.fl\_add\_xyplot\_overlay (*function*), 94
- xformslib.library.fl\_add\_xyplot\_overlay\_file (*function*), 94
- xformslib.library.fl\_add\_xyplot\_text (*function*), 94
- xformslib.library.fl\_addto\_browser (*function*), 55
- xformslib.library.fl\_addto\_browser\_chars (*function*), 55
- xformslib.library.fl\_addto\_choice (*function*), 65
- xformslib.library.fl\_addto\_command\_log (*function*), 74
- xformslib.library.fl\_addto\_form (*function*), 36
- xformslib.library.fl\_addto\_formbrowser (*function*), 70
- xformslib.library.fl\_addto\_group (*function*), 25
- xformslib.library.fl\_addto\_menu (*function*), 79
- xformslib.library.fl\_addto\_selected\_xevent (*function*), 46
- xformslib.library.fl\_addto\_tabfolder (*function*), 87
- xformslib.library.fl\_addtopup (*function*), 91
- xformslib.library.fl\_adjust\_form\_size (*function*), 24
- xformslib.library.fl\_app\_signal\_direct (*function*), 87



- tion*), 15
- xformslib.library.fl\_arc (*function*), 40
- xformslib.library.fl\_arcf (*function*), 40
- xformslib.library.fl\_bgn\_form (*function*), 16
- xformslib.library.fl\_bgn\_group (*function*), 25
- xformslib.library.fl\_bk\_color (*function*), 35
- xformslib.library.fl\_bk\_textcolor (*function*), 35
- xformslib.library.fl\_call\_object\_callback (*function*), 31
- xformslib.library.fl\_canvas\_yield\_to\_shortcut (*function*), 63
- xformslib.library.fl\_check\_command (*function*), 74
- xformslib.library.fl\_check\_forms (*function*), 17
- xformslib.library.fl\_check\_only\_forms (*function*), 17
- xformslib.library.fl\_circ (*function*), 40
- xformslib.library.fl\_circf (*function*), 40
- xformslib.library.FL\_clamp (*function*), 36
- xformslib.library.fl\_clear\_browser (*function*), 55
- xformslib.library.fl\_clear\_canvas (*function*), 63
- xformslib.library.fl\_clear\_chart (*function*), 64
- xformslib.library.fl\_clear\_choice (*function*), 65
- xformslib.library.fl\_clear\_command\_log (*function*), 74
- xformslib.library.fl\_clear\_menu (*function*), 79
- xformslib.library.fl\_clear\_nmenu (*function*), 80
- xformslib.library.fl\_clear\_select (*function*), 83
- xformslib.library.fl\_clear\_xyplot (*function*), 96
- xformslib.library.fl\_color (*function*), 35
- xformslib.library.fl\_create\_animated\_cursor (*function*), 68
- xformslib.library.fl\_create\_bitmap (*function*), 53
- xformslib.library.fl\_create\_bitmap\_cursor (*function*), 68
- xformslib.library.fl\_create\_bitmapbutton (*function*), 58
- xformslib.library.fl\_create\_box (*function*), 55
- xformslib.library.fl\_create\_browser (*function*), 55
- xformslib.library.fl\_create\_button (*function*), 58
- xformslib.library.fl\_create\_canvas (*function*), 62
- xformslib.library.fl\_create\_chart (*function*), 64
- xformslib.library.fl\_create\_checkbutton (*function*), 58
- xformslib.library.fl\_create\_choice (*function*), 64
- xformslib.library.fl\_create\_clock (*function*), 66
- xformslib.library.fl\_create\_colormap (*function*), 44
- xformslib.library.fl\_create\_counter (*function*), 66
- xformslib.library.fl\_create\_dial (*function*), 68
- xformslib.library.fl\_create\_formbrowser (*function*), 71
- xformslib.library.fl\_create\_frame (*function*), 71
- xformslib.library.fl\_create\_free (*function*), 72
- xformslib.library.fl\_create\_from\_bitmapdata (*function*), 53
- xformslib.library.fl\_create\_from\_pixmapdata (*function*), 54
- xformslib.library.fl\_create\_generic\_button (*function*), 61
- xformslib.library.fl\_create\_generic\_canvas (*function*), 61
- xformslib.library.fl\_create\_glcanvas (*function*), 68

- tion*), 63
- xformslib.library.fl\_create\_input (*function*), 76
- xformslib.library.fl\_create\_labelbutton (*function*), 59
- xformslib.library.fl\_create\_labelframe (*function*), 72
- xformslib.library.fl\_create\_lightbutton (*function*), 58
- xformslib.library.fl\_create\_menu (*function*), 79
- xformslib.library.fl\_create\_nmenu (*function*), 80
- xformslib.library.fl\_create\_pixmap (*function*), 54
- xformslib.library.fl\_create\_pixmapbutton (*function*), 58
- xformslib.library.fl\_create\_positioner (*function*), 82
- xformslib.library.fl\_create\_round3dbutton (*function*), 58
- xformslib.library.fl\_create\_roundbutton (*function*), 58
- xformslib.library.fl\_create\_scrollbar (*function*), 83
- xformslib.library.fl\_create\_scrollbutton (*function*), 58
- xformslib.library.fl\_create\_select (*function*), 83
- xformslib.library.fl\_create\_slider (*function*), 85
- xformslib.library.fl\_create\_spinner (*function*), 86
- xformslib.library.fl\_create\_tabfolder (*function*), 87
- xformslib.library.fl\_create\_text (*function*), 89
- xformslib.library.fl\_create\_thumbwheel (*function*), 90
- xformslib.library.fl\_create\_timer (*function*), 90
- xformslib.library.fl\_create\_valslider (*function*), 85
- xformslib.library.fl\_create\_xyplot (*function*), 94
- xformslib.library.FL\_crnd (*function*), 36
- xformslib.library.fl\_cur\_fs\_ (*function*), 98
- xformslib.library.fl\_cur\_win\_ (*function*), 97, 98
- xformslib.library.fl\_current\_pup (*function*), 93
- xformslib.library.fl\_dashedlinestyle (*function*), 39
- xformslib.library.fl\_deactivate\_all\_forms (*function*), 19
- xformslib.library.fl\_deactivate\_form (*function*), 19
- xformslib.library.fl\_deactivate\_object (*function*), 33
- xformslib.library.fl\_default\_win (*function*), 38
- xformslib.library.fl\_default\_window (*function*), 38
- xformslib.library.fl\_defpup (*function*), 91
- xformslib.library.fl\_delete\_browser\_line (*function*), 55
- xformslib.library.fl\_delete\_choice (*function*), 65
- xformslib.library.fl\_delete\_folder (*function*), 88
- xformslib.library.fl\_delete\_folder\_byname (*function*), 88
- xformslib.library.fl\_delete\_folder\_bynumber (*function*), 88
- xformslib.library.fl\_delete\_formbrowser (*function*), 70
- xformslib.library.fl\_delete\_formbrowser\_bynumber (*function*), 70
- xformslib.library.fl\_delete\_menu\_item (*function*), 79
- xformslib.library.fl\_delete\_nmenu\_item (*function*), 81
- xformslib.library.fl\_delete\_object (*function*), 32
- xformslib.library.fl\_delete\_select\_item (*function*), 84
- xformslib.library.fl\_delete\_xyplot\_overlay (*function*), 95

- xformslib.library.fl\_delete\_xyplot\_text (*function*), 94
- xformslib.library.fl\_deselect\_browser (*function*), 56
- xformslib.library.fl\_deselect\_browser\_line (*function*), 56
- xformslib.library.fl\_diagline (*function*), 39
- xformslib.library.fl\_disable\_fselector\_cache (*function*), 76
- xformslib.library.fl\_display\_ (*function*), 98
- xformslib.library.fl\_do\_forms (*function*), 16
- xformslib.library.fl\_do\_only\_forms (*function*), 17
- xformslib.library.fl\_dopup (*function*), 91
- xformslib.library.fl\_draw\_object\_label (*function*), 29
- xformslib.library.fl\_draw\_object\_label\_outside (*function*), 29
- xformslib.library.fl\_draw\_symbol (*function*), 34
- xformslib.library.fl\_drawmode (*function*), 39, 40
- xformslib.library.fl\_drw\_box (*function*), 34
- xformslib.library.fl\_drw\_checkbox (*function*), 40
- xformslib.library.fl\_drw\_frame (*function*), 40
- xformslib.library.fl\_drw\_text (*function*), 34
- xformslib.library.fl\_drw\_text\_beside (*function*), 34
- xformslib.library.fl\_drw\_text\_cursor (*function*), 34
- xformslib.library.fl\_end\_all\_command (*function*), 74
- xformslib.library.fl\_end\_command (*function*), 74, 75
- xformslib.library.fl\_end\_form (*function*), 16
- xformslib.library.fl\_end\_group (*function*), 25
- xformslib.library.fl\_enumerate\_fonts (*function*), 33
- xformslib.library.fl\_exe\_command (*function*), 74, 75
- xformslib.library.fl\_fdesc\_ (*function*), 97, 98
- xformslib.library.fl\_fheight\_ (*function*), 97, 98
- xformslib.library.fl\_find\_formbrowser\_form\_number (*function*), 71
- xformslib.library.fl\_finish (*function*), 47
- xformslib.library.fl\_fit\_object\_label (*function*), 30
- xformslib.library.fl\_fix\_dirname (*function*), 69
- xformslib.library.fl\_flip\_yorigin (*function*), 36
- xformslib.library.fl\_fmtime (*function*), 69
- xformslib.library.fl\_for\_all\_objects (*function*), 29
- xformslib.library.fl\_form\_is\_iconified (*function*), 24
- xformslib.library.fl\_form\_is\_visible (*function*), 24
- xformslib.library.FL\_FormDisplay (*function*), 45
- xformslib.library.fl\_free (*function*), 37
- xformslib.library.fl\_free\_all\_dirlist (*function*), 69
- xformslib.library.fl\_free\_colors (*function*), 34
- xformslib.library.fl\_free\_dirlist (*function*), 69
- xformslib.library.fl\_free\_form (*function*), 23
- xformslib.library.fl\_free\_matrix (*function*), 101
- xformslib.library.fl\_free\_object (*function*), 32
- xformslib.library.fl\_free\_pixels (*function*), 34
- xformslib.library.fl\_free\_pixmap (*function*), 55
- xformslib.library.fl\_free\_pixmap\_pixmap (*function*), 54, 60

- xformslib.library.fl\_freepup (*function*), 91
- xformslib.library.fl\_freeze\_all\_forms (*function*), 19
- xformslib.library.fl\_freeze\_form (*function*), 17
- xformslib.library.fl\_gc\_ (*function*), 97, 98
- xformslib.library.fl\_get\_active\_folder (*function*), 88
- xformslib.library.fl\_get\_active\_folder\_name (*function*), 89
- xformslib.library.fl\_get\_active\_folder\_number (*function*), 88
- xformslib.library.fl\_get\_align\_xy (*function*), 34
- xformslib.library.fl\_get\_app\_mainform (*function*), 20
- xformslib.library.fl\_get\_app\_resources (*function*), 47
- xformslib.library.fl\_get\_border\_width (*function*), 37
- xformslib.library.fl\_get\_browser (*function*), 56
- xformslib.library.fl\_get\_browser\_dimension (*function*), 57
- xformslib.library.fl\_get\_browser\_hscroll\_callbackxformslib.library.fl\_get\_browser\_line (*function*), 58
- xformslib.library.fl\_get\_browser\_line (*function*), 55
- xformslib.library.fl\_get\_browser\_line\_yoffset (*function*), 58
- xformslib.library.fl\_get\_browser\_maxline (*function*), 56
- xformslib.library.fl\_get\_browser\_rel\_xoffset (*function*), 57
- xformslib.library.fl\_get\_browser\_rel\_yoffset (*function*), 57
- xformslib.library.fl\_get\_browser\_screenlines (*function*), 56
- xformslib.library.fl\_get\_browser\_topline (*function*), 56
- xformslib.library.fl\_get\_browser\_vscroll\_callbackxformslib.library.fl\_get\_browser\_xoffset (*function*), 58
- xformslib.library.fl\_get\_browser\_xoffset (*function*), 57
- xformslib.library.fl\_get\_browser\_yoffset (*function*), 57
- xformslib.library.fl\_get\_button (*function*), 61
- xformslib.library.fl\_get\_button\_mouse\_buttons (*function*), 61
- xformslib.library.fl\_get\_button\_numb (*function*), 61
- xformslib.library.fl\_get\_canvas\_colormap (*function*), 62
- xformslib.library.fl\_get\_canvas\_depth (*function*), 62
- xformslib.library.fl\_get\_canvas\_id (*function*), 62
- xformslib.library.fl\_get\_char\_height (*function*), 33
- xformslib.library.fl\_get\_char\_width (*function*), 33
- xformslib.library.fl\_get\_chart\_bounds (*function*), 64
- xformslib.library.fl\_get\_choice (*function*), 65
- xformslib.library.fl\_get\_choice\_item\_mode (*function*), 65
- xformslib.library.fl\_get\_choice\_item\_text (*function*), 65
- xformslib.library.fl\_get\_choice\_maxitems (*function*), 65
- xformslib.library.fl\_get\_choice\_text (*function*), 65
- xformslib.library.fl\_get\_clock (*function*), 66
- xformslib.library.fl\_get\_cmdline\_args (*function*), 37
- xformslib.library.fl\_get\_command\_log\_fdstruct (*function*), 74
- xformslib.library.fl\_get\_coordunit (*function*), 36
- xformslib.library.fl\_get\_counter\_bounds (*function*), 67
- xformslib.library.fl\_get\_counter\_min\_repeat (*function*), 67
- xformslib.library.fl\_get\_counter\_precision (*function*), 67

- xformslib.library.fl\_get\_counter\_repeat (*function*), 67
- xformslib.library.fl\_get\_counter\_speedjump (*function*), 68
- xformslib.library.fl\_get\_counter\_step (*function*), 67
- xformslib.library.fl\_get\_counter\_value (*function*), 67
- xformslib.library.fl\_get\_cursor\_byname (*function*), 68
- xformslib.library.fl\_get\_decoration\_sizes (*function*), 41
- xformslib.library.fl\_get\_defaults (*function*), 48
- xformslib.library.fl\_get\_dial\_bounds (*function*), 68
- xformslib.library.fl\_get\_dial\_value (*function*), 68
- xformslib.library.fl\_get\_directory (*function*), 75
- xformslib.library.fl\_get\_dirlist (*function*), 69
- xformslib.library.fl\_get\_display (*function*), 45
- xformslib.library.fl\_get\_drawmode (*function*), 39
- xformslib.library.fl\_get\_filename (*function*), 75
- xformslib.library.fl\_get\_focus\_object (*function*), 18
- xformslib.library.fl\_get\_folder (*function*), 88
- xformslib.library.fl\_get\_folder\_area (*function*), 89
- xformslib.library.fl\_get\_folder\_name (*function*), 88
- xformslib.library.fl\_get\_folder\_number (*function*), 88
- xformslib.library.fl\_get\_fontstruct (*function*), 40
- xformslib.library.fl\_get\_form\_event\_cmask (*function*), 22
- xformslib.library.fl\_get\_form\_mouse (*function*), 41
- xformslib.library.fl\_get\_form\_vclass (*function*), 38
- xformslib.library.fl\_get\_formbrowser\_area (*function*), 70
- xformslib.library.fl\_get\_formbrowser\_form (*function*), 71
- xformslib.library.fl\_get\_formbrowser\_numforms (*function*), 71
- xformslib.library.fl\_get\_formbrowser\_topform (*function*), 70
- xformslib.library.fl\_get\_formbrowser\_xoffset (*function*), 71
- xformslib.library.fl\_get\_formbrowser\_yoffset (*function*), 71
- xformslib.library.fl\_get\_fselector\_fdstruct (*function*), 76
- xformslib.library.fl\_get\_fselector\_form (*function*), 76
- xformslib.library.fl\_get\_gc (*function*), 38
- xformslib.library.fl\_get\_glccanvas\_attributes (*function*), 63
- xformslib.library.fl\_get\_glccanvas\_context (*function*), 63
- xformslib.library.fl\_get\_glccanvas\_defaults (*function*), 63
- xformslib.library.fl\_get\_glccanvas\_xvisualinfo (*function*), 63
- xformslib.library.fl\_get\_icm\_color (*function*), 35
- xformslib.library.fl\_get\_input (*function*), 78
- xformslib.library.fl\_get\_input\_color (*function*), 77
- xformslib.library.fl\_get\_input\_cursorpos (*function*), 78
- xformslib.library.fl\_get\_input\_format (*function*), 78
- xformslib.library.fl\_get\_input\_numberofflines (*function*), 78
- xformslib.library.fl\_get\_input\_screenlines (*function*), 78
- xformslib.library.fl\_get\_input\_scrollbarsize (*function*), 77
- xformslib.library.fl\_get\_input\_selected\_range

- (function), 77
- xformslib.library.fl\_get\_input\_topline (function), 78
- xformslib.library.fl\_get\_input\_xoffset (function), 78
- xformslib.library.fl\_get\_linestyle (function), 39
- xformslib.library.fl\_get\_linewidth (function), 39
- xformslib.library.fl\_get\_matrix (function), 101
- xformslib.library.fl\_get\_menu (function), 79
- xformslib.library.fl\_get\_menu\_item\_mode (function), 80
- xformslib.library.fl\_get\_menu\_item\_text (function), 80
- xformslib.library.fl\_get\_menu\_maxitems (function), 80
- xformslib.library.fl\_get\_menu\_popup (function), 79
- xformslib.library.fl\_get\_menu\_text (function), 80
- xformslib.library.fl\_get\_mouse (function), 40
- xformslib.library.fl\_get\_nmenu\_item (function), 81
- xformslib.library.fl\_get\_nmenu\_item\_by\_label (function), 81
- xformslib.library.fl\_get\_nmenu\_item\_by\_text (function), 81
- xformslib.library.fl\_get\_nmenu\_item\_by\_value (function), 81
- xformslib.library.fl\_get\_nmenu\_popup (function), 81
- xformslib.library.fl\_get\_object\_bbox (function), 30
- xformslib.library.fl\_get\_object\_bw (function), 25
- xformslib.library.fl\_get\_object\_component (function), 29
- xformslib.library.fl\_get\_object\_geometry (function), 30
- xformslib.library.fl\_get\_object\_gravity (function), 26
- xformslib.library.fl\_get\_object\_label (function), 30
- xformslib.library.fl\_get\_object\_position (function), 30
- xformslib.library.fl\_get\_object\_resize (function), 26
- xformslib.library.fl\_get\_object\_return\_state (function), 32
- xformslib.library.fl\_get\_object\_size (function), 28
- xformslib.library.fl\_get\_pattern (function), 75
- xformslib.library.fl\_get\_pixel (function), 35
- xformslib.library.fl\_get\_pixmap\_pixmap (function), 54, 60
- xformslib.library.fl\_get\_positioner\_xbounds (function), 82
- xformslib.library.fl\_get\_positioner\_xvalue (function), 82
- xformslib.library.fl\_get\_positioner\_ybounds (function), 82
- xformslib.library.fl\_get\_positioner\_yvalue (function), 82
- xformslib.library.fl\_get\_real\_object\_window (function), 45
- xformslib.library.fl\_get\_resource (function), 47
- xformslib.library.fl\_get\_scrollbar\_bounds (function), 83
- xformslib.library.fl\_get\_scrollbar\_increment (function), 83
- xformslib.library.fl\_get\_scrollbar\_value (function), 83
- xformslib.library.fl\_get\_select\_item (function), 84
- xformslib.library.fl\_get\_select\_item\_by\_label (function), 84
- xformslib.library.fl\_get\_select\_item\_by\_text (function), 84
- xformslib.library.fl\_get\_select\_item\_by\_value (function), 84
- xformslib.library.fl\_get\_select\_popup (function), 84



- tion*), 84
- xformslib.library.fl\_get\_select\_text\_align  
(*function*), 85
- xformslib.library.fl\_get\_select\_text\_color  
(*function*), 85
- xformslib.library.fl\_get\_select\_text\_font (*func-*  
*tion*), 85
- xformslib.library.fl\_get\_slider\_bounds (*func-*  
*tion*), 86
- xformslib.library.fl\_get\_slider\_increment  
(*function*), 86
- xformslib.library.fl\_get\_slider\_value (*func-*  
*tion*), 86
- xformslib.library.fl\_get\_spinner\_bounds (*func-*  
*tion*), 87
- xformslib.library.fl\_get\_spinner\_down\_button  
(*function*), 87
- xformslib.library.fl\_get\_spinner\_input (*func-*  
*tion*), 87
- xformslib.library.fl\_get\_spinner\_precision  
(*function*), 87
- xformslib.library.fl\_get\_spinner\_step (*func-*  
*tion*), 87
- xformslib.library.fl\_get\_spinner\_up\_button  
(*function*), 87
- xformslib.library.fl\_get\_spinner\_value (*func-*  
*tion*), 86
- xformslib.library.fl\_get\_string\_dimension  
(*function*), 33, 34
- xformslib.library.fl\_get\_string\_height (*func-*  
*tion*), 33
- xformslib.library.fl\_get\_string\_width (*func-*  
*tion*), 33
- xformslib.library.fl\_get\_string\_widthTAB  
(*function*), 33
- xformslib.library.fl\_get\_submatrix (*func-*  
*tion*), 103
- xformslib.library.fl\_get\_tabfolder\_folder\_byname  
(*function*), 88
- xformslib.library.fl\_get\_tabfolder\_folder\_bynumb  
(*function*), 88
- xformslib.library.fl\_get\_tabfolder\_numfolders  
(*function*), 88
- xformslib.library.fl\_get\_thumbwheel\_bounds  
(*function*), 90
- xformslib.library.fl\_get\_thumbwheel\_step  
(*function*), 89
- xformslib.library.fl\_get\_thumbwheel\_value  
(*function*), 89
- xformslib.library.fl\_get\_timer (*function*),  
90
- xformslib.library.fl\_get\_vclass (*function*),  
38
- xformslib.library.fl\_get\_visual\_depth (*func-*  
*tion*), 48
- xformslib.library.fl\_get\_win\_mouse (*func-*  
*tion*), 41
- xformslib.library.fl\_get\_wingometry (*func-*  
*tion*), 44, 45
- xformslib.library.fl\_get\_winorigin (*func-*  
*tion*), 44, 45
- xformslib.library.fl\_get\_winsize (*function*),  
44
- xformslib.library.fl\_get\_xyplot (*function*),  
95
- xformslib.library.fl\_get\_xyplot\_data (*func-*  
*tion*), 95
- xformslib.library.fl\_get\_xyplot\_data\_pointer  
(*function*), 95
- xformslib.library.fl\_get\_xyplot\_numdata  
(*function*), 96
- xformslib.library.fl\_get\_xyplot\_overlay\_data  
(*function*), 95
- xformslib.library.fl\_get\_xyplot\_xbounds (*func-*  
*tion*), 95
- xformslib.library.fl\_get\_xyplot\_xmapping  
(*function*), 96
- xformslib.library.fl\_get\_xyplot\_ybounds (*func-*  
*tion*), 95
- xformslib.library.fl\_get\_xyplot\_ymapping  
(*function*), 96
- xformslib.library.fl\_getmcolor (*function*),  
35
- xformslib.library.fl\_getpup\_items (*func-*  
*tion*), 93
- xformslib.library.fl\_getpup\_mode (*func-*  
*tion*), 93
- xformslib.library.fl\_getpup\_text (*function*),

- 93
- xformslib.library.FL\_GETR (*function*), 98
- xformslib.library.fl\_gettime (*function*), 37
- xformslib.library.fl\_glwincreate (*function*), 63
- xformslib.library.fl\_glwinopen (*function*), 64
- xformslib.library.fl\_goodies\_atclose (*function*), 76
- xformslib.library.fl\_hide\_alert (*function*), 73
- xformslib.library.fl\_hide\_canvas (*function*), 62
- xformslib.library.fl\_hide\_choice (*function*), 73
- xformslib.library.fl\_hide\_command\_log (*function*), 74
- xformslib.library.fl\_hide\_form (*function*), 23
- xformslib.library.fl\_hide\_fselector (*function*), 76
- xformslib.library.fl\_hide\_input (*function*), 73
- xformslib.library.fl\_hide\_message (*function*), 72
- xformslib.library.fl\_hide\_object (*function*), 32
- xformslib.library.fl\_hide\_oneliner (*function*), 73
- xformslib.library.fl\_hide\_question (*function*), 72
- xformslib.library.fl\_hidepup (*function*), 93
- xformslib.library.fl\_iconify (*function*), 42
- xformslib.library.fl\_init\_RGBdatabase (*function*), 101
- xformslib.library.fl\_initial\_wingometry (*function*), 44
- xformslib.library.fl\_initial\_winsize (*function*), 44
- xformslib.library.fl\_initial\_winstage (*function*), 44
- xformslib.library.fl\_initialize (*function*), 47
- xformslib.library.fl\_insert\_browser\_line (*function*), 55
- xformslib.library.fl\_insert\_chart\_value (*function*), 64
- xformslib.library.fl\_insert\_formbrowser (*function*), 70
- xformslib.library.fl\_insert\_nmenu\_items (*function*), 81
- xformslib.library.fl\_insert\_select\_items (*function*), 84
- xformslib.library.fl\_insert\_xyplot\_data (*function*), 94
- xformslib.library.fl\_interpolate (*function*), 97
- xformslib.library.fl\_invalidate\_fselector\_cache (*function*), 76
- xformslib.library.FL\_IS\_CANVAS (*function*), 45
- xformslib.library.FL\_IS\_DOWNBOX (*function*), 14
- xformslib.library.FL\_is\_gray (*function*), 38
- xformslib.library.FL\_is\_rgb (*function*), 38
- xformslib.library.FL\_IS\_UPBOX (*function*), 14
- xformslib.library.fl\_is\_valid\_dir (*function*), 69
- xformslib.library.FL\_IsPacked (*function*), 98
- xformslib.library.FL\_IsRGB (*function*), 98
- xformslib.library.fl\_isselected\_browser\_line (*function*), 56
- xformslib.library.fl\_j2pass\_quantize\_packed (*function*), 104
- xformslib.library.fl\_j2pass\_quantize\_rgb (*function*), 104
- xformslib.library.fl\_keysym\_pressed (*function*), 47
- xformslib.library.fl\_last\_event (*function*), 46
- xformslib.library.fl\_library\_version (*function*), 16



- xformslib.library.fl\_line (*function*), 39
- xformslib.library.fl\_lines (*function*), 39
- xformslib.library.fl\_linestyle (*function*), 39, 40
- xformslib.library.fl\_linewidth (*function*), 39
- xformslib.library.fl\_load\_browser (*function*), 56
- xformslib.library.fl\_lookup\_RGBcolor (*function*), 102
- xformslib.library.fl\_lower\_form (*function*), 41
- xformslib.library.fl\_make\_matrix (*function*), 101
- xformslib.library.fl\_make\_object (*function*), 36
- xformslib.library.fl\_make\_submatrix (*function*), 104
- xformslib.library.fl\_mapcolor (*function*), 34
- xformslib.library.fl\_mapcolorname (*function*), 34
- xformslib.library.FL\_max (*function*), 35
- xformslib.library.FL\_min (*function*), 35
- xformslib.library.fl\_mode\_capable (*function*), 38
- xformslib.library.fl\_modify\_canvas\_prop (*function*), 63
- xformslib.library.fl\_mouse\_button (*function*), 37
- xformslib.library.fl\_move\_object (*function*), 30
- xformslib.library.fl\_msleep (*function*), 38
- xformslib.library.fl\_newpup (*function*), 91
- xformslib.library.FL\_nint (*function*), 35
- xformslib.library.fl\_noborder (*function*), 44
- xformslib.library.fl\_notify\_object (*function*), 27
- xformslib.library.fl\_now (*function*), 37
- xformslib.library.fl\_object\_ps\_dump (*function*), 70
- xformslib.library.fl\_object\_returned (*function*), 14
- xformslib.library.FL\_ObjectDisplay (*function*), 45
- xformslib.library.FL\_ObjWin (*function*), 45
- xformslib.library.fl\_oval (*function*), 40
- xformslib.library.fl\_ovalarc (*function*), 40
- xformslib.library.fl\_ovalbound (*function*), 40
- xformslib.library.fl\_ovalf (*function*), 40
- xformslib.library.fl\_ovall (*function*), 40
- xformslib.library.fl\_pack\_bits (*function*), 104
- xformslib.library.FL\_PCCLAMP (*function*), 48
- xformslib.library.fl\_pclose (*function*), 74
- xformslib.library.fl\_pieslice (*function*), 40
- xformslib.library.fl\_point (*function*), 39
- xformslib.library.fl\_points (*function*), 39
- xformslib.library.fl\_polybound (*function*), 39
- xformslib.library.fl\_polyf (*function*), 39
- xformslib.library.fl\_polygon (*function*), 38
- xformslib.library.fl\_polyl (*function*), 39
- xformslib.library.fl\_popen (*function*), 74
- xformslib.library.fl\_popup\_add (*function*), 48
- xformslib.library.fl\_popup\_add\_entries (*function*), 48
- xformslib.library.fl\_popup\_create (*function*), 49
- xformslib.library.fl\_popup\_delete (*function*), 49
- xformslib.library.fl\_popup\_do (*function*), 49
- xformslib.library.fl\_popup\_entry\_clear\_state (*function*), 51
- xformslib.library.fl\_popup\_entry\_delete (*function*), 49
- xformslib.library.fl\_popup\_entry\_get\_by\_label (*function*), 52
- xformslib.library.fl\_popup\_entry\_get\_by\_position (*function*), 52
- xformslib.library.fl\_popup\_entry\_get\_by\_text

- (function), 52
- xformslib.library.fl\_popup\_entry\_get\_by\_user\_data (function), 52
- xformslib.library.fl\_popup\_entry\_get\_by\_value (function), 52
- xformslib.library.fl\_popup\_entry\_get\_font (function), 50
- xformslib.library.fl\_popup\_entry\_get\_group (function), 52
- xformslib.library.fl\_popup\_entry\_get\_state (function), 51
- xformslib.library.fl\_popup\_entry\_get\_subpopup (function), 52
- xformslib.library.fl\_popup\_entry\_raise\_state (function), 51
- xformslib.library.fl\_popup\_entry\_set\_callback (function), 51
- xformslib.library.fl\_popup\_entry\_set\_enter\_callback (function), 51
- xformslib.library.fl\_popup\_entry\_set\_font (function), 50
- xformslib.library.fl\_popup\_entry\_set\_group (function), 52
- xformslib.library.fl\_popup\_entry\_set\_leave\_callback (function), 51
- xformslib.library.fl\_popup\_entry\_set\_shortcut (function), 51
- xformslib.library.fl\_popup\_entry\_set\_state (function), 51
- xformslib.library.fl\_popup\_entry\_set\_subpopup (function), 52
- xformslib.library.fl\_popup\_entry\_set\_text (function), 51
- xformslib.library.fl\_popup\_entry\_set\_user\_data (function), 52
- xformslib.library.fl\_popup\_entry\_set\_value (function), 51
- xformslib.library.fl\_popup\_entry\_toggle\_state (function), 51
- xformslib.library.fl\_popup\_get\_bw (function), 50
- xformslib.library.fl\_popup\_get\_color (function), 50
- xformslib.library.fl\_popup\_get\_min\_width (function), 53
- xformslib.library.fl\_popup\_get\_policy (function), 49
- xformslib.library.fl\_popup\_get\_size (function), 52
- xformslib.library.fl\_popup\_get\_title (function), 50
- xformslib.library.fl\_popup\_get\_title\_font (function), 50
- xformslib.library.fl\_popup\_insert\_entries (function), 48
- xformslib.library.fl\_popup\_set\_bw (function), 50
- xformslib.library.fl\_popup\_set\_callback (function), 49
- xformslib.library.fl\_popup\_set\_color (function), 50
- xformslib.library.fl\_popup\_set\_cursor (function), 50
- xformslib.library.fl\_popup\_set\_min\_width (function), 53
- xformslib.library.fl\_popup\_set\_policy (function), 49
- xformslib.library.fl\_popup\_set\_position (function), 49
- xformslib.library.fl\_popup\_set\_title (function), 50
- xformslib.library.fl\_popup\_set\_title\_font (function), 50
- xformslib.library.fl\_prepare\_form\_window (function), 23
- xformslib.library.fl\_print\_xevent\_name (function), 46
- xformslib.library.fl\_raise\_form (function), 41
- xformslib.library.fl\_read\_bitmapfile (function), 53
- xformslib.library.fl\_read\_pixmapfile (function), 54
- xformslib.library.fl\_rect (function), 38
- xformslib.library.fl\_rectangle (function), 38
- xformslib.library.fl\_rectbound (function), 38

- xformslib.library.fl\_rectf (*function*), 38
- xformslib.library.fl\_redraw\_form (*function*), 23
- xformslib.library.fl\_redraw\_object (*function*), 32
- xformslib.library.fl\_refresh\_fselector (*function*), 76
- xformslib.library.fl\_register\_raw\_callback (*function*), 24
- xformslib.library.fl\_remove\_canvas\_handler (*function*), 62
- xformslib.library.fl\_remove\_event\_callback (*function*), 46
- xformslib.library.fl\_remove\_fselector\_appbutton (*function*), 76
- xformslib.library.fl\_remove\_io\_callback (*function*), 15
- xformslib.library.fl\_remove\_selected\_xevent (*function*), 46
- xformslib.library.fl\_remove\_signal\_callback (*function*), 15
- xformslib.library.fl\_remove\_timeout (*function*), 16
- xformslib.library.fl\_replace\_browser\_line (*function*), 55
- xformslib.library.fl\_replace\_chart\_value (*function*), 64
- xformslib.library.fl\_replace\_choice (*function*), 65
- xformslib.library.fl\_replace\_folder\_bynumber (*function*), 89
- xformslib.library.fl\_replace\_formbrowser (*function*), 70
- xformslib.library.fl\_replace\_menu\_item (*function*), 79
- xformslib.library.fl\_replace\_nmenu\_item (*function*), 81
- xformslib.library.fl\_replace\_select\_item (*function*), 84
- xformslib.library.fl\_replace\_xyplot\_point (*function*), 95
- xformslib.library.fl\_replace\_xyplot\_point\_in\_overlay (*function*), 95
- xformslib.library.fl\_request\_clipboard (*function*), 66
- xformslib.library.fl\_reset\_focus\_object (*function*), 18
- xformslib.library.fl\_reset\_winconstraints (*function*), 44
- xformslib.library.fl\_resume\_timer (*function*), 91
- xformslib.library.FL\_RGB2GRAY (*function*), 98
- xformslib.library.fl\_ringbell (*function*), 37
- xformslib.library.fl\_roundrect (*function*), 38
- xformslib.library.fl\_roundrectangle (*function*), 38
- xformslib.library.fl\_roundrectf (*function*), 38
- xformslib.library.fl\_scale\_form (*function*), 20
- xformslib.library.fl\_scale\_object (*function*), 32
- xformslib.library.fl\_select\_browser\_line (*function*), 56
- xformslib.library.fl\_select\_mediantcut\_quantizer (*function*), 102
- xformslib.library.fl\_set\_app\_mainform (*function*), 20
- xformslib.library.fl\_set\_app\_nomainform (*function*), 20
- xformslib.library.fl\_set\_atclose (*function*), 18
- xformslib.library.fl\_set\_background (*function*), 42
- xformslib.library.fl\_set\_bitmap\_data (*function*), 53
- xformslib.library.fl\_set\_bitmap\_file (*function*), 53, 59, 60
- xformslib.library.fl\_set\_bitmapbutton\_data (*function*), 60
- xformslib.library.fl\_set\_border\_width (*function*), 36
- xformslib.library.fl\_set\_browser\_dbclick\_callback (*function*), 57
- xformslib.library.fl\_set\_browser\_fontsize (*function*), 56

- xformslib.library.fl\_set\_browser\_fontstyle  
(function), 56
- xformslib.library.fl\_set\_browser\_hscroll\_callback  
(function), 57
- xformslib.library.fl\_set\_browser\_hscrollbar  
(function), 57
- xformslib.library.fl\_set\_browser\_line\_selectable  
(function), 57
- xformslib.library.fl\_set\_browser\_rel\_xoffset  
(function), 57
- xformslib.library.fl\_set\_browser\_rel\_yoffset  
(function), 57
- xformslib.library.fl\_set\_browser\_scrollbar\_size  
(function), 57
- xformslib.library.fl\_set\_browser\_specialkey  
(function), 56
- xformslib.library.fl\_set\_browser\_topline (func-  
tion), 56
- xformslib.library.fl\_set\_browser\_vscroll\_callback  
(function), 58
- xformslib.library.fl\_set\_browser\_vscrollbar  
(function), 56
- xformslib.library.fl\_set\_browser\_xoffset (func-  
tion), 57
- xformslib.library.fl\_set\_browser\_yoffset (func-  
tion), 57
- xformslib.library.fl\_set\_button (function),  
61
- xformslib.library.fl\_set\_button\_mouse\_buttons  
(function), 61
- xformslib.library.fl\_set\_canvas\_attributes  
(function), 62
- xformslib.library.fl\_set\_canvas\_colormap  
(function), 62
- xformslib.library.fl\_set\_canvas\_depth (func-  
tion), 62
- xformslib.library.fl\_set\_canvas\_visual (func-  
tion), 62
- xformslib.library.fl\_set\_chart\_autosize (func-  
tion), 64
- xformslib.library.fl\_set\_chart\_baseline (func-  
tion), 64
- xformslib.library.fl\_set\_chart\_bounds (func-  
tion), 64
- xformslib.library.fl\_set\_chart\_lcolor (func-  
tion), 64
- xformslib.library.fl\_set\_chart\_lsize (func-  
tion), 64
- xformslib.library.fl\_set\_chart\_lstyle (func-  
tion), 64
- xformslib.library.fl\_set\_chart\_maxnumb (func-  
tion), 64
- xformslib.library.fl\_set\_choice (function),  
65
- xformslib.library.fl\_set\_choice\_align (func-  
tion), 65
- xformslib.library.fl\_set\_choice\_entries (func-  
tion), 66
- xformslib.library.fl\_set\_choice\_fontsize (func-  
tion), 65
- xformslib.library.fl\_set\_choice\_fontstyle (func-  
tion), 65
- xformslib.library.fl\_set\_choice\_item\_mode  
(function), 66
- xformslib.library.fl\_set\_choice\_item\_shortcut  
(function), 66
- xformslib.library.fl\_set\_choice\_notitle (func-  
tion), 66
- xformslib.library.fl\_set\_choice\_text (func-  
tion), 65
- xformslib.library.fl\_set\_choices\_shortcut (func-  
tion), 73
- xformslib.library.fl\_set\_clipping (function),  
48
- xformslib.library.fl\_set\_clippings (function),  
48
- xformslib.library.fl\_set\_clock\_adjustment  
(function), 66
- xformslib.library.fl\_set\_clock\_ampm (func-  
tion), 66
- xformslib.library.fl\_set\_color\_leak (func-  
tion), 34
- xformslib.library.fl\_set\_command\_log\_position  
(function), 74
- xformslib.library.fl\_set\_coordunit (func-  
tion), 36
- xformslib.library.fl\_set\_counter\_bounds (func-  
tion), 67

- xformslib.library.fl\_set\_counter\_filter (*function*), 67
- xformslib.library.fl\_set\_counter\_min\_repeat (*function*), 68
- xformslib.library.fl\_set\_counter\_precision (*function*), 67
- xformslib.library.fl\_set\_counter\_repeat (*function*), 67
- xformslib.library.fl\_set\_counter\_return (*function*), 67
- xformslib.library.fl\_set\_counter\_speedjump (*function*), 68
- xformslib.library.fl\_set\_counter\_step (*function*), 67
- xformslib.library.fl\_set\_counter\_value (*function*), 67
- xformslib.library.fl\_set\_cursor (*function*), 68
- xformslib.library.fl\_set\_cursor\_color (*function*), 68
- xformslib.library.fl\_set\_default\_browser\_maxlinelength (*function*), 57
- xformslib.library.fl\_set\_default\_tabfolder\_corner (*function*), 89
- xformslib.library.fl\_set\_defaults (*function*), 47
- xformslib.library.fl\_set\_dial\_angles (*function*), 69
- xformslib.library.fl\_set\_dial\_bounds (*function*), 68
- xformslib.library.fl\_set\_dial\_cross (*function*), 69
- xformslib.library.fl\_set\_dial\_direction (*function*), 69
- xformslib.library.fl\_set\_dial\_return (*function*), 69
- xformslib.library.fl\_set\_dial\_step (*function*), 69
- xformslib.library.fl\_set\_dial\_value (*function*), 68
- xformslib.library.fl\_set\_directory (*function*), 75
- xformslib.library.fl\_set\_dirlist\_filter (*function*), 69
- xformslib.library.fl\_set\_dirlist\_filterdir (*function*), 69
- xformslib.library.fl\_set\_dirlist\_sort (*function*), 69
- xformslib.library.fl\_set\_err\_logfp (*function*), 37
- xformslib.library.fl\_set\_error\_handler (*function*), 37
- xformslib.library.fl\_set\_event\_callback (*function*), 46
- xformslib.library.fl\_set\_focus\_object (*function*), 17
- xformslib.library.fl\_set\_folder (*function*), 88
- xformslib.library.fl\_set\_folder\_byname (*function*), 88
- xformslib.library.fl\_set\_folder\_bynumber (*function*), 88
- xformslib.library.fl\_set\_font (*function*), 33
- xformslib.library.fl\_set\_font\_name (*function*), 33
- xformslib.library.fl\_set\_foreground (*function*), 42
- xformslib.library.fl\_set\_form\_atactivate (*function*), 18
- xformslib.library.fl\_set\_form\_atclose (*function*), 18
- xformslib.library.fl\_set\_form\_atdeactivate (*function*), 19
- xformslib.library.fl\_set\_form\_callback (*function*), 20, 21
- xformslib.library.fl\_set\_form\_dblbuffer (*function*), 23
- xformslib.library.fl\_set\_form\_event\_cmask (*function*), 22
- xformslib.library.fl\_set\_form\_geometry (*function*), 22
- xformslib.library.fl\_set\_form\_hotobject (*function*), 21
- xformslib.library.fl\_set\_form\_hotspot (*function*), 21
- xformslib.library.fl\_set\_form\_icon (*function*), 41
- xformslib.library.fl\_set\_form\_maxsize (*function*), 41

- tion*), 21
- xformslib.library.fl\_set\_form\_minsize (*function*), 21
- xformslib.library.fl\_set\_form\_position (*function*), 20
- xformslib.library.fl\_set\_form\_size (*function*), 21
- xformslib.library.fl\_set\_form\_title (*function*), 20
- xformslib.library.fl\_set\_formbrowser\_hscrollbar (*function*), 70
- xformslib.library.fl\_set\_formbrowser\_scroll (*function*), 70
- xformslib.library.fl\_set\_formbrowser\_topform (*function*), 70
- xformslib.library.fl\_set\_formbrowser\_topform\_by\_xformslib (*function*), 71
- xformslib.library.fl\_set\_formbrowser\_vscrollbar (*function*), 70
- xformslib.library.fl\_set\_formbrowser\_xoffset (*function*), 71
- xformslib.library.fl\_set\_formbrowser\_yoffset (*function*), 71
- xformslib.library.fl\_set\_fselector\_border (*function*), 75
- xformslib.library.fl\_set\_fselector\_callback (*function*), 75, 76
- xformslib.library.fl\_set\_fselector\_filetype\_marker (*function*), 76
- xformslib.library.fl\_set\_fselector\_fontsize (*function*), 75
- xformslib.library.fl\_set\_fselector\_fontstyle (*function*), 75
- xformslib.library.fl\_set\_fselector\_placement (*function*), 75
- xformslib.library.fl\_set\_fselector\_title (*function*), 76
- xformslib.library.fl\_set\_fselector\_transient (*function*), 75
- xformslib.library.fl\_set\_gamma (*function*), 35
- xformslib.library.fl\_set\_gc\_clipping (*function*), 48
- xformslib.library.fl\_set\_glccanvas\_attributes (*function*), 63
- xformslib.library.fl\_set\_glccanvas\_defaults (*function*), 63
- xformslib.library.fl\_set\_glccanvas\_direct (*function*), 63
- xformslib.library.fl\_set\_goodies\_font (*function*), 72
- xformslib.library.fl\_set\_graphics\_mode (*function*), 47
- xformslib.library.fl\_set\_icm\_color (*function*), 35
- xformslib.library.fl\_set\_idle\_callback (*function*), 46
- xformslib.library.fl\_set\_idle\_delta (*function*), 46
- xformslib.library.fl\_set\_input (*function*), 77
- xformslib.library.fl\_set\_input\_color (*function*), 77
- xformslib.library.fl\_set\_input\_cursor\_visible (*function*), 78
- xformslib.library.fl\_set\_input\_cursorpos (*function*), 77
- xformslib.library.fl\_set\_input\_editkeymap (*function*), 79
- xformslib.library.fl\_set\_input\_fieldchar (*function*), 78
- xformslib.library.fl\_set\_input\_filter (*function*), 78
- xformslib.library.fl\_set\_input\_format (*function*), 77
- xformslib.library.fl\_set\_input\_hscrollbar (*function*), 77
- xformslib.library.fl\_set\_input\_maxchars (*function*), 77
- xformslib.library.fl\_set\_input\_return (*function*), 77
- xformslib.library.fl\_set\_input\_scroll (*function*), 77
- xformslib.library.fl\_set\_input\_scrollbarsize (*function*), 77
- xformslib.library.fl\_set\_input\_selected (*function*), 77
- xformslib.library.fl\_set\_input\_selected\_range



- (function), 77
- xformslib.library.fl\_set\_input\_topline (function), 77
- xformslib.library.fl\_set\_input\_vscrollbar (function), 77
- xformslib.library.fl\_set\_input\_xoffset (function), 77
- xformslib.library.fl\_set\_menu (function), 79
- xformslib.library.fl\_set\_menu\_entries (function), 80
- xformslib.library.fl\_set\_menu\_item\_callback (function), 79
- xformslib.library.fl\_set\_menu\_item\_id (function), 80
- xformslib.library.fl\_set\_menu\_item\_mode (function), 79
- xformslib.library.fl\_set\_menu\_item\_shortcut (function), 79
- xformslib.library.fl\_set\_menu\_notitle (function), 80
- xformslib.library.fl\_set\_menu\_popup (function), 79
- xformslib.library.fl\_set\_mouse (function), 41
- xformslib.library.fl\_set\_nmenu\_hl\_text\_color (function), 82
- xformslib.library.fl\_set\_nmenu\_items (function), 81
- xformslib.library.fl\_set\_nmenu\_policy (function), 81
- xformslib.library.fl\_set\_nmenu\_popup (function), 81
- xformslib.library.fl\_set\_object\_automatic (function), 29
- xformslib.library.fl\_set\_object\_boxttype (function), 25, 62
- xformslib.library.fl\_set\_object\_bw (function), 25
- xformslib.library.fl\_set\_object\_callback (function), 31
- xformslib.library.fl\_set\_object\_color (function), 28
- xformslib.library.fl\_set\_object\_dblbuffer (function), 28
- xformslib.library.fl\_set\_object\_dblclick (function), 29
- xformslib.library.fl\_set\_object\_geometry (function), 29
- xformslib.library.fl\_set\_object\_gravity (function), 26
- xformslib.library.fl\_set\_object\_helper (function), 28
- xformslib.library.fl\_set\_object\_label (function), 28
- xformslib.library.fl\_set\_object\_lalign (function), 27, 31
- xformslib.library.fl\_set\_object\_lcol (function), 27, 30
- xformslib.library.fl\_set\_object\_lsize (function), 26
- xformslib.library.fl\_set\_object\_lstyle (function), 26
- xformslib.library.fl\_set\_object\_position (function), 28
- xformslib.library.fl\_set\_object\_posthandler (function), 31
- xformslib.library.fl\_set\_object\_prehandler (function), 31
- xformslib.library.fl\_set\_object\_resize (function), 26
- xformslib.library.fl\_set\_object\_return (function), 27
- xformslib.library.fl\_set\_object\_shortcut (function), 27, 61, 78
- xformslib.library.fl\_set\_object\_shortcutkey (function), 27
- xformslib.library.fl\_set\_object\_size (function), 29
- xformslib.library.fl\_set\_oneliner\_color (function), 73
- xformslib.library.fl\_set\_oneliner\_font (function), 73
- xformslib.library.fl\_set\_pattern (function), 76
- xformslib.library.fl\_set\_pixmap\_align (function), 54, 60
- xformslib.library.fl\_set\_pixmap\_colorcloseness

- (*function*), 54
- xformslib.library.fl\_set\_pixmap\_data (*function*), 54, 60
- xformslib.library.fl\_set\_pixmap\_file (*function*), 54, 60
- xformslib.library.fl\_set\_pixmap\_pixmap (*function*), 54, 60
- xformslib.library.fl\_set\_pixmapbutton\_focus\_data (*function*), 61
- xformslib.library.fl\_set\_pixmapbutton\_focus\_file (*function*), 61
- xformslib.library.fl\_set\_pixmapbutton\_focus\_outfile (*function*), 60, 61
- xformslib.library.fl\_set\_pixmapbutton\_focus\_pixmap (*function*), 61
- xformslib.library.fl\_set\_positioner\_return (*function*), 82
- xformslib.library.fl\_set\_positioner\_xbounds (*function*), 82
- xformslib.library.fl\_set\_positioner\_xstep (*function*), 82
- xformslib.library.fl\_set\_positioner\_xvalue (*function*), 82
- xformslib.library.fl\_set\_positioner\_ybounds (*function*), 82
- xformslib.library.fl\_set\_positioner\_ystep (*function*), 82
- xformslib.library.fl\_set\_positioner\_yvalue (*function*), 82
- xformslib.library.fl\_set\_resource (*function*), 47
- xformslib.library.fl\_set\_scrollbar\_bounds (*function*), 83
- xformslib.library.fl\_set\_scrollbar\_increment (*function*), 83
- xformslib.library.fl\_set\_scrollbar\_return (*function*), 83
- xformslib.library.fl\_set\_scrollbar\_size (*function*), 83
- xformslib.library.fl\_set\_scrollbar\_step (*function*), 83
- xformslib.library.fl\_set\_scrollbar\_type (*function*), 36
- xformslib.library.fl\_set\_scrollbar\_value (*function*), 83
- xformslib.library.fl\_set\_select\_item (*function*), 84
- xformslib.library.fl\_set\_select\_items (*function*), 84
- xformslib.library.fl\_set\_select\_policy (*function*), 85
- xformslib.library.fl\_set\_select\_popup (*function*), 84
- xformslib.library.fl\_set\_select\_text\_align (*function*), 85
- xformslib.library.fl\_set\_select\_text\_color (*function*), 85
- xformslib.library.fl\_set\_select\_text\_font (*function*), 85
- xformslib.library.fl\_set\_slider\_bounds (*function*), 86
- xformslib.library.fl\_set\_slider\_filter (*function*), 86
- xformslib.library.fl\_set\_slider\_increment (*function*), 86
- xformslib.library.fl\_set\_slider\_precision (*function*), 86
- xformslib.library.fl\_set\_slider\_return (*function*), 86
- xformslib.library.fl\_set\_slider\_size (*function*), 86
- xformslib.library.fl\_set\_slider\_step (*function*), 86
- xformslib.library.fl\_set\_slider\_value (*function*), 86
- xformslib.library.fl\_set\_spinner\_bounds (*function*), 87
- xformslib.library.fl\_set\_spinner\_precision (*function*), 87
- xformslib.library.fl\_set\_spinner\_step (*function*), 87
- xformslib.library.fl\_set\_spinner\_value (*function*), 86
- xformslib.library.fl\_set\_tabfolder\_autofit (*function*), 89
- xformslib.library.fl\_set\_tabfolder\_offset (*function*), 89
- xformslib.library.fl\_set\_tabstop (*function*),



- 47
- xformslib.library.fl\_set\_text\_clipping (*function*), 48
- xformslib.library.fl\_set\_thin scrollbar (*function*), 36
- xformslib.library.fl\_set\_thumbwheel\_bounds (*function*), 90
- xformslib.library.fl\_set\_thumbwheel\_crossover (*function*), 90
- xformslib.library.fl\_set\_thumbwheel\_return (*function*), 90
- xformslib.library.fl\_set\_thumbwheel\_step (*function*), 89
- xformslib.library.fl\_set\_thumbwheel\_value (*function*), 89
- xformslib.library.fl\_set\_timer (*function*), 90
- xformslib.library.fl\_set\_timer\_countup (*function*), 90
- xformslib.library.fl\_set\_timer\_filter (*function*), 90
- xformslib.library.fl\_set\_tooltip\_boxttype (*function*), 74
- xformslib.library.fl\_set\_tooltip\_color (*function*), 74
- xformslib.library.fl\_set\_tooltip\_font (*function*), 73
- xformslib.library.fl\_set\_tooltip\_lalign (*function*), 74
- xformslib.library.fl\_set\_ul\_property (*function*), 48
- xformslib.library.fl\_set\_visualID (*function*), 47
- xformslib.library.fl\_set\_xyplot\_alphaxtics (*function*), 97
- xformslib.library.fl\_set\_xyplot\_alphaytics (*function*), 97
- xformslib.library.fl\_set\_xyplot\_data (*function*), 94
- xformslib.library.fl\_set\_xyplot\_data\_double (*function*), 94
- xformslib.library.fl\_set\_xyplot\_file (*function*), 94
- xformslib.library.fl\_set\_xyplot\_fixed\_xaxis (*function*), 97
- xformslib.library.fl\_set\_xyplot\_fixed\_yaxis (*function*), 97
- xformslib.library.fl\_set\_xyplot\_fontsize (*function*), 96
- xformslib.library.fl\_set\_xyplot\_fontstyle (*function*), 96
- xformslib.library.fl\_set\_xyplot\_grid\_linestyle (*function*), 96
- xformslib.library.fl\_set\_xyplot\_inspect (*function*), 95
- xformslib.library.fl\_set\_xyplot\_interpolate (*function*), 95
- xformslib.library.fl\_set\_xyplot\_key (*function*), 96
- xformslib.library.fl\_set\_xyplot\_key\_font (*function*), 96
- xformslib.library.fl\_set\_xyplot\_key\_position (*function*), 96
- xformslib.library.fl\_set\_xyplot\_keys (*function*), 96
- xformslib.library.fl\_set\_xyplot\_linewidth (*function*), 96
- xformslib.library.fl\_set\_xyplot\_mark\_active (*function*), 97
- xformslib.library.fl\_set\_xyplot\_maxoverlays (*function*), 94
- xformslib.library.fl\_set\_xyplot\_overlay\_type (*function*), 95
- xformslib.library.fl\_set\_xyplot\_return (*function*), 94
- xformslib.library.fl\_set\_xyplot\_symbol (*function*), 97
- xformslib.library.fl\_set\_xyplot\_symbolsizesize (*function*), 95
- xformslib.library.fl\_set\_xyplot\_xbounds (*function*), 95
- xformslib.library.fl\_set\_xyplot\_xgrid (*function*), 96
- xformslib.library.fl\_set\_xyplot\_xscale (*function*), 96
- xformslib.library.fl\_set\_xyplot\_xtics (*function*), 94
- xformslib.library.fl\_set\_xyplot\_ybounds (*function*), 95

- tion*), 95
- xformslib.library.fl\_set\_xyplot\_ygrid (*function*), 96
- xformslib.library.fl\_set\_xyplot\_yscale (*function*), 96
- xformslib.library.fl\_set\_xyplot\_ytics (*function*), 95
- xformslib.library.fl\_setup\_bw (*function*), 92
- xformslib.library.fl\_setup\_cursor (*function*), 93
- xformslib.library.fl\_setup\_default\_bw (*function*), 92
- xformslib.library.fl\_setup\_default\_color (*function*), 91, 92
- xformslib.library.fl\_setup\_default\_cursor (*function*), 91
- xformslib.library.fl\_setup\_default\_fontsize (*function*), 91, 92
- xformslib.library.fl\_setup\_default\_fontstyle (*function*), 92
- xformslib.library.fl\_setup\_default\_pup\_checked\_color (*function*), 91, 92
- xformslib.library.fl\_setup\_entercb (*function*), 92
- xformslib.library.fl\_setup\_entries (*function*), 91
- xformslib.library.fl\_setup\_itemcb (*function*), 93
- xformslib.library.fl\_setup\_leavecb (*function*), 93
- xformslib.library.fl\_setup\_maxpup (*function*), 93
- xformslib.library.fl\_setup\_menucb (*function*), 93
- xformslib.library.fl\_setup\_mode (*function*), 91, 94
- xformslib.library.fl\_setup\_pad (*function*), 93
- xformslib.library.fl\_setup\_position (*function*), 92
- xformslib.library.fl\_setup\_selection (*function*), 92
- xformslib.library.fl\_setup\_shadow (*function*), 92
- xformslib.library.fl\_setup\_shortcut (*function*), 92
- xformslib.library.fl\_setup\_softedge (*function*), 92
- xformslib.library.fl\_setup\_submenu (*function*), 94
- xformslib.library.fl\_setup\_title (*function*), 92
- xformslib.library.fl\_share\_canvas\_colormap (*function*), 63
- xformslib.library.fl\_show\_alert (*function*), 72
- xformslib.library.fl\_show\_alert2 (*function*), 73
- xformslib.library.fl\_show\_browser\_line (*function*), 57
- xformslib.library.fl\_show\_choice (*function*), 73
- xformslib.library.fl\_show\_choices (*function*), 73
- xformslib.library.fl\_show\_colormap (*function*), 73
- xformslib.library.fl\_show\_command\_log (*function*), 74
- xformslib.library.fl\_show\_errors (*function*), 35
- xformslib.library.fl\_show\_form (*function*), 22
- xformslib.library.fl\_show\_form\_window (*function*), 23
- xformslib.library.fl\_show\_fselector (*function*), 75, 76
- xformslib.library.fl\_show\_input (*function*), 73
- xformslib.library.fl\_show\_menu\_symbol (*function*), 79
- xformslib.library.fl\_show\_message (*function*), 72
- xformslib.library.fl\_show\_messages (*function*), 72
- xformslib.library.fl\_show\_msg (*function*), 72
- xformslib.library.fl\_show\_object (*function*),

- 32
- xformslib.library.fl\_show\_oneliner (*function*), 73
- xformslib.library.fl\_show\_question (*function*), 72
- xformslib.library.fl\_show\_simple\_input (*function*), 73
- xformslib.library.fl\_showpup (*function*), 93
- xformslib.library.fl\_signal\_caught (*function*), 15
- xformslib.library.fl\_spline\_interpolate (*function*), 97
- xformslib.library.fl\_strdup (*function*), 37
- xformslib.library.fl\_stuff\_clipboard (*function*), 66
- xformslib.library.fl\_suspend\_timer (*function*), 91
- xformslib.library.fl\_textcolor (*function*), 35
- xformslib.library.fl\_textgc\_ (*function*), 97, 98
- xformslib.library.FL\_TO\_DOWNBOX (*function*), 14
- xformslib.library.fl\_transient (*function*), 44
- xformslib.library.fl\_trigger\_object (*function*), 32
- xformslib.library.fl\_unfreeze\_all\_forms (*function*), 20
- xformslib.library.fl\_unfreeze\_form (*function*), 19
- xformslib.library.fl\_unpack\_bits (*function*), 104
- xformslib.library.fl\_unset\_clipping (*function*), 48
- xformslib.library.fl\_unset\_gc\_clipping (*function*), 48
- xformslib.library.fl\_unset\_text\_clipping (*function*), 48
- xformslib.library.fl\_update\_display (*function*), 39
- xformslib.library.fl\_use\_fselector (*function*), 75
- xformslib.library.fl\_validate\_input (*function*), 78
- xformslib.library.fl\_value\_to\_bits (*function*), 104
- xformslib.library.fl\_vclass\_name (*function*), 48
- xformslib.library.fl\_vclass\_val (*function*), 48
- xformslib.library.fl\_whoami (*function*), 37
- xformslib.library.fl\_win\_to\_form (*function*), 41
- xformslib.library.fl\_winaspect (*function*), 43
- xformslib.library.fl\_winbackground (*function*), 43
- xformslib.library.fl\_winclose (*function*), 42
- xformslib.library.fl\_wincreate (*function*), 42
- xformslib.library.fl\_winfocus (*function*), 42
- xformslib.library.fl\_winggeometry (*function*), 44
- xformslib.library.fl\_winget (*function*), 42
- xformslib.library.fl\_winhide (*function*), 42
- xformslib.library.fl\_winicon (*function*), 43
- xformslib.library.fl\_winicontitle (*function*), 43
- xformslib.library.fl\_winisvalid (*function*), 43
- xformslib.library.fl\_winmaxsize (*function*), 43
- xformslib.library.fl\_winminsize (*function*), 43
- xformslib.library.fl\_winmove (*function*), 43
- xformslib.library.fl\_winopen (*function*), 42
- xformslib.library.fl\_winposition (*function*), 43, 45
- xformslib.library.fl\_winreparent (*function*), 42
- xformslib.library.fl\_winreshape (*function*), 43

- xformslib.library.fl\_winresize (*function*), 42
- xformslib.library.fl\_winset (*function*), 42
- xformslib.library.fl\_winshow (*function*), 42
- xformslib.library.fl\_winsize (*function*), 44
- xformslib.library.fl\_winstepunit (*function*), 43
- xformslib.library.fl\_wintitle (*function*), 43
- xformslib.library.fl\_XEventsQueued (*function*), 45
- xformslib.library.fl\_XNextEvent (*function*), 45
- xformslib.library.fl\_XPeekEvent (*function*), 45
- xformslib.library.fl\_XPutBackEvent (*function*), 46
- xformslib.library.fl\_xyplot\_s2w (*function*), 96
- xformslib.library.fl\_xyplot\_w2s (*function*), 96
- xformslib.library.flimage\_add\_comments (*function*), 104
- xformslib.library.flimage\_add\_format (*function*), 102
- xformslib.library.flimage\_add\_marker (*function*), 100
- xformslib.library.flimage\_add\_marker\_struct (*function*), 100
- xformslib.library.flimage\_add\_text (*function*), 100
- xformslib.library.flimage\_add\_text\_struct (*function*), 100
- xformslib.library.flimage\_alloc (*function*), 99
- xformslib.library.flimage\_autocrop (*function*), 103
- xformslib.library.flimage\_close (*function*), 99
- xformslib.library.flimage\_color\_to\_pixel (*function*), 104
- xformslib.library.flimage\_combine (*function*), 104
- xformslib.library.flimage\_convert (*function*), 100
- xformslib.library.flimage\_convolve (*function*), 102
- xformslib.library.flimage\_convolvea (*function*), 102
- xformslib.library.flimage\_crop (*function*), 103
- xformslib.library.flimage\_define\_marker (*function*), 100
- xformslib.library.flimage\_delete\_all\_markers (*function*), 100
- xformslib.library.flimage\_delete\_all\_text (*function*), 100
- xformslib.library.flimage\_description\_via\_filter (*function*), 99
- xformslib.library.flimage\_display (*function*), 99
- xformslib.library.flimage\_display\_markers (*function*), 104
- xformslib.library.flimage\_dump (*function*), 99
- xformslib.library.flimage\_dup (*function*), 103
- xformslib.library.flimage\_dup\_ (*function*), 104
- xformslib.library.flimage\_enable\_bmp (*function*), 104
- xformslib.library.flimage\_enable\_fits (*function*), 104
- xformslib.library.flimage\_enable\_genesis (*function*), 104
- xformslib.library.flimage\_enable\_gif (*function*), 105
- xformslib.library.flimage\_enable\_gzip (*function*), 105
- xformslib.library.flimage\_enable\_jpeg (*function*), 105
- xformslib.library.flimage\_enable\_png (*function*), 105
- xformslib.library.flimage\_enable\_pnm (*function*), 101
- xformslib.library.flimage\_enable\_ps (*function*), 105
- xformslib.library.flimage\_enable\_sgi (*function*), 105

- tion*), 105
- xformslib.library.flimage\_enable\_tiff (*function*), 105
- xformslib.library.flimage\_enable\_xbm (*function*), 105
- xformslib.library.flimage\_enable\_xpm (*function*), 105
- xformslib.library.flimage\_enable\_xwd (*function*), 105
- xformslib.library.flimage\_enhance (*function*), 103
- xformslib.library.flimage\_error (*function*), 100
- xformslib.library.flimage\_flip (*function*), 102
- xformslib.library.flimage\_free (*function*), 99
- xformslib.library.flimage\_free\_ci (*function*), 105
- xformslib.library.flimage\_free\_gray (*function*), 105
- xformslib.library.flimage\_free\_linearlut (*function*), 105
- xformslib.library.flimage\_free\_rgb (*function*), 105
- xformslib.library.flimage\_freemem (*function*), 105
- xformslib.library.flimage\_from\_pixmap (*function*), 103
- xformslib.library.flimage\_get\_autocrop (*function*), 103
- xformslib.library.flimage\_get\_closest\_color\_from\_palette (*function*), 105
- xformslib.library.flimage\_get\_format\_info (*function*), 101
- xformslib.library.flimage\_get\_linearlut (*function*), 105
- xformslib.library.flimage\_get\_number\_of\_formats (*function*), 101
- xformslib.library.flimage\_get\_colormap (*function*), 102
- xformslib.library.flimage\_getmem (*function*), 99
- xformslib.library.flimage\_gif\_output\_options (*function*), 101
- xformslib.library.flimage\_invalidate\_pixels (*function*), 105
- xformslib.library.flimage\_is\_supported (*function*), 99
- xformslib.library.flimage\_jpeg\_output\_options (*function*), 101
- xformslib.library.flimage\_load (*function*), 99
- xformslib.library.flimage\_open (*function*), 105
- xformslib.library.flimage\_pnm\_output\_options (*function*), 101
- xformslib.library.flimage\_ps\_options (*function*), 101
- xformslib.library.flimage\_read (*function*), 99
- xformslib.library.flimage\_read\_annotation (*function*), 106
- xformslib.library.flimage\_render\_annotation (*function*), 100
- xformslib.library.flimage\_replace\_image (*function*), 106
- xformslib.library.flimage\_replace\_pixel (*function*), 103
- xformslib.library.flimage\_rotate (*function*), 102
- xformslib.library.flimage\_scale (*function*), 102
- xformslib.library.flimage\_sdisplay (*function*), 100
- xformslib.library.flimage\_set\_annotation\_support (*function*), 102
- xformslib.library.flimage\_set\_fits\_bits (*function*), 101
- xformslib.library.flimage\_setup (*function*), 98
- xformslib.library.flimage\_swapbuffer (*function*), 106
- xformslib.library.flimage\_tint (*function*), 102
- xformslib.library.flimage\_to\_pixmap (*function*), 103
- xformslib.library.flimage\_to\_ximage (*function*), 103

- tion*), 106
- xformslib.library.flimage\_transform\_pixels (*function*), 103
- xformslib.library.flimage\_type\_name (*function*), 100
- xformslib.library.flimage\_warp (*function*), 102
- xformslib.library.flimage\_windowlevel (*function*), 103
- xformslib.library.flimage\_write\_annotation (*function*), 106
- xformslib.library.flimage\_write\_via\_filter (*function*), 99
- xformslib.library.flps\_apply\_gamma (*function*), 106
- xformslib.library.flps\_arc (*function*), 106
- xformslib.library.flps\_circ (*function*), 106
- xformslib.library.flps\_color (*function*), 106
- xformslib.library.flps\_draw\_box (*function*), 106
- xformslib.library.flps\_draw\_checkbox (*function*), 106
- xformslib.library.flps\_draw\_frame (*function*), 106
- xformslib.library.flps\_draw\_symbol (*function*), 106
- xformslib.library.flps\_draw\_tbox (*function*), 106
- xformslib.library.flps\_draw\_text (*function*), 106
- xformslib.library.flps\_draw\_text\_beside (*function*), 106
- xformslib.library.flps\_emit\_header (*function*), 107
- xformslib.library.flps\_emit\_prolog (*function*), 107
- xformslib.library.flps\_get\_gray255 (*function*), 107
- xformslib.library.flps\_get\_linestyle (*function*), 107
- xformslib.library.flps\_get\_linewidth (*function*), 107
- xformslib.library.flps\_get\_namedcolor (*function*), 107
- xformslib.library.flps\_init (*function*), 70
- xformslib.library.flps\_invalidate\_color\_cache (*function*), 107
- xformslib.library.flps\_invalidate\_font\_cache (*function*), 107
- xformslib.library.flps\_invalidate\_linewidth\_cache (*function*), 107
- xformslib.library.flps\_invalidate\_symbol\_cache (*function*), 107
- xformslib.library.flps\_line (*function*), 107
- xformslib.library.flps\_lines (*function*), 107
- xformslib.library.flps\_linestyle (*function*), 107
- xformslib.library.flps\_linewidth (*function*), 107
- xformslib.library.flps\_log (*function*), 107
- xformslib.library.flps\_output (*function*), 107
- xformslib.library.flps\_oval (*function*), 107
- xformslib.library.flps\_pieslice (*function*), 107
- xformslib.library.flps\_poly (*function*), 108
- xformslib.library.flps\_rectangle (*function*), 108
- xformslib.library.flps\_reset\_cache (*function*), 108
- xformslib.library.flps\_reset\_linewidth (*function*), 108
- xformslib.library.flps\_restore\_flps (*function*), 108
- xformslib.library.flps\_rgbcolor (*function*), 108
- xformslib.library.flps\_roundrectangle (*function*), 108
- xformslib.library.flps\_set\_clipping (*function*), 108
- xformslib.library.flps\_set\_font (*function*), 108
- xformslib.library.flps\_unset\_clipping (*function*), 108
- xformslib.library.func\_do\_nothing\_placeholder (*function*), 12
- xformslib.library.get\_xforms\_version (*function*), 12



- xformslib.library.keep\_cfunc\_refs (*function*), 12
- xformslib.library.keep\_elem\_refs (*function*), 12
- xformslib.library.load\_so\_libflimage (*function*), 12
- xformslib.library.load\_so\_libforms (*function*), 12
- xformslib.library.load\_so\_libformsgl (*function*), 12
- xformslib.library.load\_so\_libx11 (*function*), 13
- xformslib.library.make\_double\_and\_pointer (*function*), 14
- xformslib.library.make\_float\_and\_pointer (*function*), 14
- xformslib.library.make\_int\_and\_pointer (*function*), 14
- xformslib.library.make\_long\_and\_pointer (*function*), 14
- xformslib.library.make\_uint\_and\_pointer (*function*), 14
- xformslib.library.make\_ulong\_and\_pointer (*function*), 14
- xformslib.library.metakey\_down (*function*), 47
- xformslib.library.shiftkey\_down (*function*), 47
- xformslib.library.special\_style (*function*), 14
- xformslib.library.verify\_version\_compatibility (*function*), 12
- xformslib.library.warn\_deprecated\_function (*function*), 12
- xformslib.library.XClearWindow (*function*), 108
- xformslib.library.XCreateBitmapFromData (*function*), 53
- xformslib.library.XFormsLoadError (*class*), 109–110
- xformslib.library.XFormsTypeError (*class*), 110–111
- xformslib.library.XFreePixmap (*function*), 55
- xformslib.library.XLowerWindow (*function*), 41
- xformslib.library.XRaiseWindow (*function*), 41
- xformslib.library.XSetBackground (*function*), 42
- xformslib.library.XSetForeground (*function*), 41
- xformslib.xfddata (*module*), 112–342
  - xformslib.xfddata.IO\_FILE (*class*), 231–232
  - xformslib.xfddata.XDisplay (*class*), 276–277
  - xformslib.xfddata.XEvent (*class*), 339–342
  - xformslib.xfddata.XExtData (*class*), 145–146
  - xformslib.xfddata.XImage (*class*), 265–267
  - xformslib.xfddata.Depth (*class*), 257–258
  - xformslib.xfddata.FD\_Any (*class*), 168–169
  - xformslib.xfddata.FD\_CMDLOG (*class*), 217–219
  - xformslib.xfddata.FD\_FSELECTOR (*class*), 219–220
  - xformslib.xfddata.FL\_BUTTON\_SPEC (*class*), 208–212
  - xformslib.xfddata.FL\_Dirlist (*class*), 214–216
  - xformslib.xfddata.FL\_EditKeymap (*class*), 220–222
  - xformslib.xfddata.FL\_FONT (*class*), 178–179
  - xformslib.xfddata.FL\_FORM\_ (*class*), 149–156
  - xformslib.xfddata.FL\_IOPT (*class*), 189–191
  - xformslib.xfddata.FL\_OBJECT\_ (*class*), 156–165
  - xformslib.xfddata.FL\_pixmap\_ (*class*), 165–168
  - xformslib.xfddata.FL\_POPUP\_ (*class*), 194–200

- xformslib.xfdata.FL\_POPUP\_ENTRY\_ (*class*), 282–287
- 200–205
- xformslib.xfdata.FL\_POPUP\_ITEM (*class*), 207–208
- xformslib.xfdata.FL\_POPUP\_RETURN\_ (*class*), 205–207
- xformslib.xfdata.FL\_PUP\_ENTRY (*class*), 142–145
- xformslib.xfdata.FL\_RESOURCE (*class*), 183–184, 188–189
- xformslib.xfdata.FL\_RGB2PIXEL\_ (*class*), 191–194
- xformslib.xfdata.FL\_State (*class*), 174–178
- xformslib.xfdata.flimage\_ (*class*), 232–247
- xformslib.xfdata.FLIMAGE\_FORMAT\_INFO (*class*), 250–251
- xformslib.xfdata.FLIMAGE\_JPEG\_OPTION (*class*), 249–250
- xformslib.xfdata.flimage\_marker\_ (*class*), 225–229
- xformslib.xfdata.flimage\_setup\_ (*class*), 229–230, 247–249
- xformslib.xfdata.flimage\_text\_ (*class*), 222–225
- xformslib.xfdata.FLIMAGESETUP (*class*), 230–231
- xformslib.xfdata.FLPS\_CONTROL (*class*), 216–217
- xformslib.xfdata.funcs (*class*), 264–265
- xformslib.xfdata.GC (*class*), 173–174
- xformslib.xfdata.GLXContext (*class*), 213–214
- xformslib.xfdata.N19XClientMessageEvent4DOFormlib (*class*), 330–331
- xformslib.xfdata.Screen (*class*), 258–260
- xformslib.xfdata.ScreenFormat (*class*), 260–261
- xformslib.xfdata.Visual (*class*), 146–147
- xformslib.xfdata.XAnyEvent (*class*), 335–336
- xformslib.xfdata.XArc (*class*), 270–271
- xformslib.xfdata.XButtonEvent (*class*), 282–287
- xformslib.xfdata.XCharStruct (*class*), 170–171
- xformslib.xfdata.XCirculateEvent (*class*), 320–322
- xformslib.xfdata.XCirculateRequestEvent (*class*), 322–323
- xformslib.xfdata.XClientMessageEvent (*class*), 331–332
- xformslib.xfdata.XColor (*class*), 268–269
- xformslib.xfdata.XColormapEvent (*class*), 329–330
- xformslib.xfdata.XConfigureEvent (*class*), 314–316
- xformslib.xfdata.XConfigureRequestEvent (*class*), 319–320
- xformslib.xfdata.XCreateWindowEvent (*class*), 306–308
- xformslib.xfdata.XCrossingEvent (*class*), 290–296
- xformslib.xfdata.XDestroyWindowEvent (*class*), 308–309
- xformslib.xfdata.XErrorEvent (*class*), 334–335
- xformslib.xfdata.XExposeEvent (*class*), 301–302
- xformslib.xfdata.XExtCodes (*class*), 253–254
- xformslib.xfdata.XFocusChangeEvent (*class*), 296–300
- xformslib.xfdata.XFontProp (*class*), 169–170
- xformslib.xfdata.XFontStruct (*class*), 171–173
- xformslib.xfdata.XGCValues (*class*), 255–257
- xformslib.xfdata.XGenericEvent (*class*), 336–338
- xformslib.xfdata.XGenericEventCookie (*class*), 338–339
- xformslib.xfdata.XGraphicsExposeEvent (*class*), 302–304
- xformslib.xfdata.XGravityEvent (*class*), 316–317



- xformslib.xfdata.XHostAddress (*class*),  
261–262
- xformslib.xfdata.XKeyboardControl (*class*),  
271–273
- xformslib.xfdata.XKeyboardState (*class*),  
273–274
- xformslib.xfdata.XKeyEvent (*class*), 277–  
282
- xformslib.xfdata.XKeymapEvent (*class*),  
300–301
- xformslib.xfdata.XMapEvent (*class*), 310–  
312
- xformslib.xfdata.XMappingEvent (*class*),  
332–334
- xformslib.xfdata.XMapRequestEvent (*class*),  
312–313
- xformslib.xfdata.XModifierKeymap (*class*),  
275–276
- xformslib.xfdata.XMotionEvent (*class*),  
287–290
- xformslib.xfdata.XNoExposeEvent (*class*),  
304–305
- xformslib.xfdata.XPixmapFormatValues  
(*class*), 254–255
- xformslib.xfdata.XPoint (*class*), 179–181
- xformslib.xfdata.XPropertyEvent (*class*),  
323–324
- xformslib.xfdata.XRectangle (*class*), 181–  
183
- xformslib.xfdata.XReparentEvent (*class*),  
313–314
- xformslib.xfdata.XResizeRequestEvent (*class*),  
317–319
- xformslib.xfdata.XrmOptionDescList (*class*),  
186
- xformslib.xfdata.XrmOptionDescRec (*class*),  
184–188
- xformslib.xfdata.XSegment (*class*), 269–  
270
- xformslib.xfdata.XSelectionClearEvent (*class*),  
324–326
- xformslib.xfdata.XSelectionEvent (*class*),  
327–329
- xformslib.xfdata.XSelectionRequestEvent  
(*class*), 326–327
- xformslib.xfdata.XServerInterpretedAddress  
(*class*), 262–264
- xformslib.xfdata.XSetWindowAttributes  
(*class*), 212–213
- xformslib.xfdata.XTimeCoord (*class*), 274–  
275
- xformslib.xfdata.XUnmapEvent (*class*),  
309–310
- xformslib.xfdata.XVisibilityEvent (*class*),  
305–306
- xformslib.xfdata.XVisualInfo (*class*), 147–  
149
- xformslib.xfdata.XWindowAttributes (*class*),  
251–253
- xformslib.xfdata.XWindowChanges (*class*),  
267–268