

Index

A

Above, 105
 Accelerator, **193**
 accept_focus procedure, 124
 action_proc procedure, **185**
 actions, 187
 Action Table, 186
 allocate procedure, **48**
 allowShellResize, **85**
 AnyButton, 121
 AnyKey, 119
 AnyModifier, 119, 121
 application context, **29**
 ApplicationShell, **73**, 259
 applicationShellClassRec, 83
 ApplicationShellPart, 12, 256
 ApplicationShellWidget, 77, **80**
 applicationShellWidgetClass, 44, 45, 77
 ApplicationShellWidgetClass, 77
 applicationShellWidgetClass, 45, 272
 Arg, **39**
 ArgList, 13, **39**, 40, 41, 50, 52

#

#augment, 191, 192, 193

B

Below, 105
 Boolean, **12**, 175, 254
 BottomIf, 105
 ButtonPress, 100, 117, 121, 129, 190, 199, 200, 224, 264, 265, 266, 268
 ButtonPressMask, 100
 ButtonRelease, 117, 129, 224, 264, 265, 266, 268
 ButtonReleaseMask, 100

C

calloc, 203
 Cardinal, **12**, 41, 258
 CenterGravity, 54, 163
 Chaining:
 Subclass, 21
 superclass, 21
 Chaining, 50, 51, 158
 change_managed procedure, 64

CirculateNotify, 265, 268
 CirculateRequest, 265, 268
 Class Initialization, 22
 class_initialize procedure, **22**, 158
 class_name, **17**
 ClientMessage, 135, 136, 137, 138, 139, 265, 267, 268
 colorConvertArgs, 162, 164, 172
 ColormapNotify, 265, 268
 Composite, **7**
 CompositeClassExtension, **7**, 8, 63, 68, 69, 247, 251, 256
 CompositeClassExtensionRec, **7**
 CompositeClassPart, **7**, 27
 compositeClassRec, 9
 CompositePart, 7, **8**, 12, 53, 256
 CompositePh, 24
 CompositeWidget, **8**
 Resources, 9
 compositeWidgetClass, 8
 CompositeWidgetClass, **8**
 compositeWidgetClass, 28, 43, 52, 54, 60, 62
 CompositeWidgetClass, 63
 compositeWidgetClass, 65, 67, 68, 69, 70, 73, 103
 compositeWidgetClass, 58
 Composite widgets, 62
 compress_enterleave field, 131
 compress_expose field, 131
 compress_motion field, 131
 ConfigureNotify, 57, 63, 265, 268
 ConfigureRequest, 265, 268
 Configure Window, 102
 ConnectionClosed, 90, 93
 ConstrainPh, 17
 Constraint, **9**
 get_values_hook, 72
 ConstraintClassExtension, **10**, 11, 72, 176
 ConstraintClassExtensionRec, **10**, 22
 ConstraintClassPart, 9, **10**, 22, 27, 43, 51, 58, 59, 60, 71, 72, 153
 constraintClassRec, 11
 Constraint.h, 15
 ConstraintPart, 9, **11**, 182
 ConstraintWidget, **11**
 ConstraintWidgetClass, **10**
 constraintWidgetClass, 11
 ConstraintWidgetClass, 11
 constraintWidgetClass, 43, 54, 59, 60, 71, 157, 176, 179

constraintWidgetClass, 58, 60
 ConvertSelection, 221
 CopyFromParent, 54, 84, 85
 Core, 1, **3**
 CoreClassPart, **3**, 43, 45, 59, 96, 153, 186, 187, 189, 242, 247, 254
 coreClassRec, 6
 CorePart, 3, **4**, 12, 95, 244, 245, 249, 250, 256
 CoreRec, 12
 CoreWidget, **5**
 Resources, 6
 CoreWidgetClass, **3**
 coreWidgetClass, 43, 54, 201
 coreWidgetClassRec, 252
 CreateNotify, 265, 268
 create_popup_child_proc, 98
 CurrentTime, 211, 212, 213, 218, 219, 223
 CWBorderWidth, 104
 CWHeight, 104, 105
 CWSibling, 104
 CWStackMode, 104, 111
 CWWidth, 104, 105
 CWX, 104
 CWY, 104

D

deallocate procedure, **60**
 delete_child procedure, **64**
 DeleteProperties, 90
 destroyCallback, 175
 Destroy Callbacks, 59, 148
 DestroyNotify, 265, 268
 destroy procedure, **59**
 Die, 90, 93
 Dimension, **12**
 DirectColor, 163
 Display, 29, 36
 display_accelerator, 268
 display_accelerator procedure, **193**

E

EastGravity, 54, 163
 EnterNotify, 117, 129, 224, 264, 265, 267, 268, 270
 EnterWindow, 100
 EventMask, 140
 EventMask., 141
 Events, 126
 exit, 61
 Expose, 132, 144, 181, 225, 265, 268

expose procedure, 133

F

False, 6, 12, 23, 43, 53, 62, 63, 68, 69, 70, 84, 85, 86, 87, 88, 89, 91, 92, 93, 98, 100, 116, 117, 118, 123, 125, 126, 128, 129, 130, 134, 135, 143, 144, 163, 165, 173, 175, 209, 214, 216, 220, 232, 246
 FocusChange, 124
 FocusIn, 124, 129, 265, 267, 268
 FocusOut, 124, 129, 265, 267, 268
 font, 14
 ForgetGravity, 163
 free, 203

G

Geometry Management, 102
 geometry_manager procedure, 102
 get_values_hook procedure, 72, 176, **177**
 Grabbing Input, 117
 GrabModeAsync, 100
 GrabNotViewable, 120, 122
 GraphicsExpose, 125, 132, 135, 136, 137, 138, 139, 144, 225, 265
 GraphicsExpose., 268
 GravityNotify, 265, 268
 GrayScale, 163

\$

\$HOME, 35

I

IconicState, 88, 163
 Inheritance, 21, 50, 51, 54, 158
 Initialization, 22, 50, 51
 initialize_hook procedure, **52**
 initialize procedure, **50**, 51
 Input Grabbing, 117
 InputOnly, 54
 InputOutput, 54
 insert_child procedure, 25, **63**, 96, 271
 Interact, 90, 92
 InteractDone, 90, 92, 93
 InteractRequest, 90, 92
 Intrinsic.h, 4, 5, 8, 9, 10, 11, 127, 244, 245, 248, 249

IntrinsicP.h, 4, 8, 10, 244, 245

K

KeymapNotify, 265, 268

key modifier, 265

KeyPress, 100, 117, 119, 129, 198, 199, 200, 224, 264, 265, 266, 267, 268

KeyRelease, 117, 129, 198, 224, 264, 265, 267, 268

L

language procedure, **32**

LC_ALL, 33

LeaveNotify, 117, 129, 224, 264, 265, 267, 268

libXt.a, 2

M

malloc, 203

MapNotify, 265, 268

MappingNotify, 135, 136, 137, 138, 139, 195, 265, 267

MapRequest, 265, 268

MenuPopdown, **101**

MenuPopup, **99**

MotionNotify, 117, 129, 224, 264, 265, 266, 267, 268

multiClickTime, **190**

N

NoExpose, 125, 133, 135, 136, 137, 138, 139, 144, 265, 268

None, 7, 86, 87, 123, 143, 200, 211

NormalState, 163

NorthEastGravity, 163

NorthGravity, 163

NorthWestGravity, 54, 133, 163

NoSymbol, 195, 198

O

Object, 1, 235, **242**, 244, 245

objectClass, 23, 156, 157, 158, 244

ObjectClass, 244

objectClass, **244**

ObjectClass, **244**

objectClass, 245, 246

ObjectClass, 252

ObjectClassExtension, 48, 59, 60, 244

ObjectClassExtensionRec, **243**

ObjectClassPart, 59, 153, **242**, 243, 244, 247

objectClassRec, 6

ObjectClassRec, **244**

objectClassRec, 245

ObjectPart, 12, 242, **244**, 245, 249, 256

ObjectRec, 12, **245**

Opposite, 105

#

#override, 191, 192, 193

O

OverrideShell, 73

OverrideShellWidget, 77

overrideShellWidgetClass, 77

OverrideShellWidgetClass, 77

P

ParentRelative, 7

Pixel, 166

pop-up:

child, 95

pop-up, **95**

list, 95

child, 96

shell, 96

Position, **12**

PPosition, 85

printf, 227

PropertyNotify, 125, 224, 265, 267, 268

PseudoColor, 163

PSize, 85

Q

query_geometry procedure, **110**

R

realize procedure, 54

realloc, 203

Rectangle, 247

RectObj, **247**, 249

rectObjClass, 158, 182, 247

RectObjClass, **248**

rectObjClass, 249

RectObjClass, 249

rectObjClass, 250

RectObjClassPart, 59, 153, **247**, 248

rectObjClassRec, 6

RectObjClassRec, **248**
 rectObjClassRec, 250, 252
 RectObjPart, 12, **249**, 250, 256
 RectObjRec, 12, **249**
 ReparentNotify, 265, 268

#

#replace, 191, 192, 193

R

resize procedure, **111**
 ResizeRequest, 265, 268
 Resource Management, 153
 Resources:
 xnlLanguage, 34
 selectionTimeout, 38
 synchronous, 38
 reverseVideo, 162
 xtDefaultFont, 162
 xtDefaultFontSet, 163
 multiClickTime, 190
 RestartAnyway, 163
 RestartIfRunning, 163
 RestartImmediately, 163
 RestartNever, 163
 root_geometry_manager procedure, 78

,

FALSE, 12
 LANG, 34
 NULLQUARK, 7, 10, 26, 43, 49, 59, 60, 69, 72, 78, 176, 243
 RESOURCE_NAME, 31
 SESSION_MANAGER, 89
 SM_CLIENT_ID, 88
 TRUE, 12
 WM_CHANGE_STATE, 87
 WM_CLASS, 45
 WM_CLIENT_LEADER, 86
 WM_COMMAND, 45, 88
 WM_ICON_NAME, 87
 WM_NAME, 86
 WM_TRANSIENT_FOR, 73, 86, 87
 WM_WINDOW_ROLE, 86
 XAPPLRESDIR, 35
 XENVIRONMENT, 34
 XFILESEARCHPATH, 234, 235, 257

XUSERFILESEARCHPATH, 35, 257

S

SaveComplete, 90, 93
 SaveYourself, 90, 92
 SaveYourselfDone, 90, 93
 SaveYourselfPhase2, 90, 91
 SaveYourselfPhase2Request, 90, 91
 Screen, 166
 screenConvertArg, 172
 SelectionClear, 135, 136, 137, 138, 139, 220, 224, 265, 267, 268
 SelectionNotify, 135, 136, 137, 138, 139, 211, 265, 267, 268
 SelectionRequest, 135, 136, 137, 138, 139, 209, 210, 216, 265, 267, 268
 Selections:
 atomic, 208
 MULTIPLE, 209
 TIMESTAMP, 209
 incremental, 215
 selectionTimeout, **38**, 208
 SessionShell, **73**, 259
 sessionShellClassRec, 84
 SessionShellWidget, 77, **80**
 sessionShellWidgetClass, 47, 77
 SessionShellWidgetClass, 77
 sessionShellWidgetClass, 89
 setlocale, 33
 SetProperties, 90
 set_values_almost procedure, **181**
 set_values_hook procedure, 179, 183, **184**
 set_values procedure, **180**, 182
 Shell, **73**
 root_geometry_manager, 78
 wm_timeout, **78**
 create_popup_child_proc, 98
 ShellClassExtension, **74**, 78
 ShellClassExtensionRec, **74**
 ShellClassPart, 27, 78
 shellClassRec, 82
 Shell.h, 77, 296
 ShellPart, 12, **78**, 256
 ShellPh, 77
 ShellWidget, 77, **80**
 Resources, 82
 shellWidgetClass, 77
 ShellWidgetClass, 77
 shellWidgetClass, 98, 100
 ShutdownCancelled, 90, 93
 sizeof, 27, 155
 SmDialogError, 92

SmDialogNormal, 91, 92
 SmInteractStyleAny, 90
 SmInteractStyleErrors, 90
 SmInteractStyleNone, 90, 93
 SmRestartAnyway, 89
 SmRestartIfRunning, 88, 89
 SmRestartImmediately, 89
 SmRestartNever, 89
 SmSaveBoth, 90
 SmSaveGlobal, 90
 SmSaveLocal, 90
 SouthEastGravity, 163
 SouthGravity, 163
 SouthWestGravity, 163
 special, 14
 StaticColor, 163
 StaticGravity, 163
 StaticGray, 163
 String, 14, 41, 50, 154, 164
 string, 166
 String, 263
 String Constants:
 resource names, 290
 resource classes, 292
 representation types, 293
 resource names, 296
 resource classes, 297
 representation types, 299
 StringDefs.h, 290
 Subclass Chaining, **21**
 Substitution, **232**
 SubstructureNotify, 57
 superclass, **17**
 Superclass Chaining, **21**, 50, 51, 158
 synchronous, **38**

T

TARGETS, 209
 this, 14
 TopIf, 105
 TopLevel, 87
 TopLevelShell, 73
 resources, 83
 topLevelShellClassRec, 83
 TopLevelShellPart, 12, 254, 255, 256
 TopLevelShellWidget, 77
 topLevelShellWidgetClass, 77
 TopLevelShellWidgetClass, 77
 topLevelShellWidgetClass, 276
 TransientShell, 73
 resources, 83
 transientShellClassRec, 83

TransientShellPart, 254, 255
 TransientShellWidget, 77
 transientShellWidgetClass, 77
 TransientShellWidgetClass, 77
 Translation tables, 189, 263
 True, 6, 12, 20, 31, 38, 53, 54, 58, 62, 63, 65, 67,
 68, 69, 70, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93,
 98, 99, 100, 104, 116, 117, 118, 119, 121, 124,
 126, 128, 129, 130, 131, 134, 135, 136, 139, 143,
 144, 162, 165, 173, 175, 179, 181, 209, 214, 216,
 220, 232, 233, 247, 251, 256
 TrueColor, 163

U

UnmapGravity, 163
 UnmapNotify, 100, 265, 268
 unrealizeCallback, **57**
 USPosition, 85
 USSize, 85

V

varargs, **41**
 VendorShell, 73
 VendorShellWidget, 77
 vendorShellWidgetClass, 77
 VendorShellWidgetClass, 77
 version, **17**
 Visibility, 134
 VisibilityFullyObscured, 134
 VisibilityNotify, 134, 144, 265, 268
 VisibilityPartiallyObscured, 134
 VisibilityUnobscured, 134

W

WestGravity, 54, 163
 Widget, 4, **5**
 class initialization, 23
 class extension records, 26
 class initialization, 158
 Widget Allocation, 48
 WidgetClass, **3**
 widgetClass, 4
 WidgetClass, 4
 widget_class, **12**
 widgetClassRec, 17
 WidgetList, 65
 WidgetRec, 12
 widget_size, **17**
 WM_COLORMAP_WINDOWS, **231**
 WMShell, 73

resources, 82
 WMShell, 260
 wmShellClassRec, 82
 WMShellPart, 12, 255, 256, 258, 259
 WMShellPart., 254
 WMShellWidget, 77
 wmShellWidgetClass, 77
 WMShellWidgetClass, 77
 wm_timeout, **78**

X

X11/Intrinsic.h, 1, 171
 X11/IntrinsicP.h, 1, 20
 X11/keysymdef.h, 268
 X11/Shell.h, 1, 260
 X11/StringDefs.h, 1, 13, 154, 155
 X11/Xatoms.h, 1
 X11/Xaw/Label.h, 2
 X11/Xaw/Scrollbar.h, 2
 X11/X.h, 104, 105
 X11/Xresource.h, 164
 X11/Xutil.h, 225
 XAPPLRESDIR, **35**
 XA_PRIMARY, 208, 211, 213
 XA_SECONDARY, 208
 XA_STRING, 208, 211
 XClearArea, 179, 181
 XCloseDisplay, 32
 XConfigureWindow, 57, 65, 104, 108, 109
 XCreateFontSet, 163
 XCreateGC, 207
 XCreateWindow, 53, 54, 55

,

X

XDestroyWindow, 57, 58, 59
 XFILESEARCHPATH, **234**
 XFilterEvent, 119, 121, 128, 143
 XFreeGC, 60
 XFreePixmap, 60
 XGetWindowAttributes, 85
 XGrabButton, 121
 XGrabKey, 119
 XGrabKeyboard, 120
 XGrabPointer, 122
 XListFonts, 162
 XMapRaised, 98

XMatchVisualInfo, 163
 xmh, 38
 XMoveWindow, 65, 108
 XNextEvent, 126
 xnlLanguage, **34**, 234, 258
 XOpenDisplay, 31, 37
 XParseGeometry, 154
 XPeekEvent, 126
 XPending, 126
 XPointer, 256
 XResourceManagerString, 34
 XrmGetDatabase, 36, 235
 XrmOptionDescRec, **37**, 256
 XrmParseCommand, 30, 31, 37, 39, 273
 XrmPutLineResource, 36
 XrmSetDatabase, 31, 35
 XrmStringToQuark, 26, 171
 XrmValue, 156, 164, 256, 277
 XScreenResourceString, 34
 XSelectInput, 135, 136, 138, 139, 140, 141
 XSetInputFocus, 123, 124
 XSetLocaleModifiers, 33
 XSetWindowAttributes, 52, 54, 139
 XSizeHints, 255
 XStdICCTextStyle, 86, 87
 XSupportsLocale, 33
 XSynchronize, 31, 38
 XtAcceptFocusProc, **124**
 XtActionHookId, 188
 XtActionHookProc, 187, **188**
 XtActionList, 185
 XtActionProc, **185**
 XtActionsRec, 185
 XtAddActions, 187, 273, **280**
 XtAddCallback, 59, **149**, 236, 237, 238, 246
 XtAddCallbacks, **150**, 236, 238, 246
 XtAddCallbacks., 237
 XtAddConverter, 175, **277**, 278
 XtAddEventHandler, 127, **135**, 136, 137, 138, 139, 252
 XtAddExposureToRegion, **225**
 XtAddGrab, 98, 117, **118**, 128, 252
 XtAddInput, 273, **275**
 XtAddRawEventHandler, 136, **137**, 138, 139, 252
 XtAddress, **171**
 XtAddressMode, 171
 XtAddTimeOut, 273, **276**
 XtAddWorkProc, 273, **276**
 XtAllEvents, 136, 139
 XtAllocateGC, **205**, 206, 207
 XtAllocateProc, **48**, 49
 XtAlmostProc, **181**
 XtAppAddActionHook, **188**

XtAppAddActionHook., 188
 XtAppAddActions, **187**, 280
 XtAppAddBlockHook, **114**, 260
 XtAppAddBlockHook, 114
 XtAppAddConverter, 175, **277**, 278
 XtAppAddInput, 90, **112**, 113, 126, 276
 XtAppAddInput, 113
 XtAppAddSignal, **116**, 117, 260
 XtAppAddTimeOut, 60, **115**, 276
 XtAppAddTimeOut, 115
 XtAppAddWorkProc, **130**, 276
 XtAppContext, **29**
 XtAppCreateShell, 28, 29, **44**, 46, 47, 157, 236, 252, 253, 272, 274, 276

—

_XtAppCreateShell, 300

X

XtAppError, **231**, 283
 XtAppErrorMsg, 168, **229**, 231, 282, 283
 XtAppGetErrorDatabase, **226**, 227, 281
 XtAppGetErrorDatabaseText, **227**, 228, 281
 XtAppGetExitFlag, **147**, 260
 XtAppGetSelectionTimeout, **208**, 281
 XtAppInitialize, 29, 144, 253, 258, 259, **271**, 272, 273
 XtAppLock, 128, **146**, 260
 XtAppLock., 145
 XtAppMainLoop, 112, 127, **128**, 147, 274
 XtAppNextEvent, 115, 116, **126**, 127, 128, 130, 147, 274
 XtAppPeekEvent, **126**, 147, 275
 XtAppPending, 117, **126**, 275
 XtAppProcessEvent, 115, 116, 117, 126, **127**, 130, 147, 275
 XtAppReleaseCacheRefs, **174**
 XtAppSetErrorHandler, **230**, 283
 XtAppSetErrorMsgHandler, **228**, 229, 282
 XtAppSetExitFlag, **146**, 260
 XtAppSetFallbackResources, **36**, 37, 47, 272
 XtAppSetSelectionTimeout, **208**, 280
 XtAppSetTypeConverter, **169**, 170, 278
 XtAppSetWarningHandler, **231**, 284
 XtAppSetWarningMsgHandler, **229**, 282
 XtAppUnlock, 128, **146**, 260
 XtAppUnlock., 146
 XtAppWarning, **231**, 284
 XtAppWarningMsg, 165, 168, **230**, 231, 283, 284
 XtArgsFunc, **184**
 XtArgsProc, **52**, 177

XtArgVal, **12**, 40, 41
 XtAugmentTranslations, **191**, 237, 238, 252
 XtBaseOffset, **171**, 172
 XtBlockHookProc, **114**
 XtBuildEventMask, **139**, 140, 252
 XtButtonBoxAddButton, 271
 XtButtonBoxDeleteButton, 271
 XtCacheAll, **169**, 173, 278
 XtCacheByDisplay, **169**, 173, 175
 XtCacheNone, **169**, 173
 XtCacheRef, 174, 175
 XtCacheRefCount, **169**, 173
 XtCacheType, **169**
 XtCallAcceptFocus, **124**, 125, 252
 XtCallActionProc, 188, 198, **200**, 252
 XtCallbackExclusive, 97, **99**, 253
 XtCallbackHasNone, 149, 152
 XtCallbackHasSome, 152
 XtCallbackList, **148**
 XtCallbackNoList, 152
 XtCallbackNone, 97, **99**, 253
 XtCallbackNonexclusive, 97, **99**, 253
 XtCallbackPopdown, 100, **101**, 253
 XtCallbackProc, 59, **148**
 XtCallbackRec, **148**
 XtCallbackReleaseCacheRef, **174**, 175
 XtCallbackReleaseCacheRefList, **174**
 XtCallbackStatus, 149
 XtCallCallbackList, 149, **151**, 152, 236, 246
 XtCallCallbacks, **151**, 236, 246
 XtCallConverter, 171, **173**, 174, 175, 279
 XtCalloc, 60, 203, **204**, 214, 220
 XtCancelConvertSelectionProc, **217**
 XtCancelSelectionRequest, **223**, 261
 XtCaseProc, 195, **196**, 197, 256
 XtChangeHookData, 237
 XtChangeHookSetValuesData, **237**
 XtChangeManagedSet, 62, **67**, 68, 69, 237, 250, 259
 XtCheckpointToken, **90**
 XtCheckpointTokenRec, **90**
 XtCheckSubclass, 2, **20**, 21, 98, 100, 236, 246
 XtClass, **19**, 236, 246
 XtCloseDisplay, **32**, 169, 175
 XtCompositeExtensionVersion, 8
 XtConfigureHookData, **239**
 XtConfigureHookData., 239
 XtConfigureWidget, 65, 102, 107, 108, **109**, 250, 251
 XtConstraintExtensionVersion, 11
 XtConvert, 246, **278**, 279
 XtConvertAndStore, 145, 173, **175**, 246, 279
 XtConvertArgProc, **171**, 172

XtConvertArgRec, 171
 XtConvertCase, **197**, 198
 XtConverter, 256, 276, **277**
 XT_CONVERT_FAIL, 211, 219
 XtConvertSelectionIncrProc, **215**, 222
 XtConvertSelectionProc, **208**, 209, 210, 222
 XtCreateApplicationContext, **29**, 47, 144, 187, 272
 XtCreateApplicationShell, 273, **276**
 XtCreateHookData, **236**
 XtCreateManagedWidget, 62, 65, **66**, 169, 236, 250, 251, 253
 XtCreatePopupChildProc, **98**
 XtCreatePopupShell, 45, **96**, 97, 236, 252, 253

—

_XtCreatePopupShell, 300

X

XtCreateSelectionRequest, 221, **222**, 223, 261
 XtCreateWidget, 6, 23, 39, **42**, 43, 44, 53, 62, 63, 66, 71, 148, 153, 158, 159, 169, 175, 236, 245, 246, 247, 251, 271
 XtCreateWindow, **54**, 55, 57, 252
 XtCurrentDirectory, **163**
 XtCvtColorToPixel, 163
 XtCvtIntToBool, 164
 XtCvtIntToBoolean, 164
 XtCvtIntToColor, 164
 XtCvtIntToDimension, 164
 XtCvtIntToFloat, 164
 XtCvtIntToFont, 164
 XtCvtIntToPixel, 164
 XtCvtIntToPixmap, 164
 XtCvtIntToPosition, 164
 XtCvtIntToShort, 164
 XtCvtIntToUnsignedChar, 164
 XtCvtPixelToColor, 164
 XtCvtStringToAcceleratorTable, 162
 XtCvtStringToAtom, 162
 XtCvtStringToBool, 162
 XtCvtStringToBoolean, 162
 XtCvtStringToCommandArgArray, 162
 XtCvtStringToCursor, 162
 XtCvtStringToDimension, 162
 XtCvtStringToDirectoryString, 162
 XtCvtStringToDisplay, 162
 XtCvtStringToFile, 162
 XtCvtStringToFloat, 162
 XtCvtStringToFont, 162
 XtCvtStringToFontSet, 162
 XtCvtStringToFontStruct, 162

XtCvtStringToGravity, 162
 XtCvtStringToInitialState, 162
 XtCvtStringToInt, 162
 XtCvtStringToPixel, 162
 XtCvtStringToPosition, 162
 XtCvtStringToRestartStyle, 162
 XtCvtStringToShort, 162
 XtCvtStringToTranslationTable, 162
 XtCvtStringToUnsignedChar, 162
 XtCvtStringToVisual, 162
 XtCWQueryOnly, 104, 106, 107
 XtDatabase, **36**
 XtDeallocateProc, **60**
 XtDefaultBackground, 6, 38, **162**, 167

—

_XtDefaultError, **230**
 _XtDefaultErrorMsg, 229

X

XtDefaultFont, **162**, 167
 XtDefaultFontSet, **163**
 XtDefaultForeground, 6, 38, 156, **162**, 167

—

_XtDefaultWarning, **231**
 _XtDefaultWarningMsg, 229, **230**

X

XtDestroyApplicationContext, **29**, 32, 61
 XtDestroyGC, **279**, 280
 XtDestroyHookData, 240
 XtDestroyWidget, 28, **58**, 60, 61, 62, 64, 67, 72, 95, 240, 246
 XtDestroyWidget, 53
 XtDestructor, **167**
 XtDirectConvert, 171, 175, **278**, 279
 XtDisownSelection, **214**, 215, 220, 252
 XtDispatchEvent, 58, 118, 119, 121, 123, 127, **128**, 143, 224, 225, 258, 260, 274
 XtDispatchEventToWidget, 143, **144**, 252, 260
 XtDisplay, **55**, 56, 252
 XtDisplayInitialize, 29, **30**, 31, 32, 33, 34, 36, 37, 38, 39, 44, 45, 47, 190, 208, 228, 234, 258, 272
 XtDisplayOfObject, **56**, 236, 246
 XtDisplayStringConversionWarning, **168**, 277
 XtDisplayToApplicationContext, 165, **168**, 169
 XtDoChangeProc, 69
 XtEnum, **12**, 254

XtError, 229, 282, **283**

—

_XtError, 283

X

XtErrorHandler, **230**

XtErrorMsg, 21, 204, 205, **282**

XtErrorMsgHandler, **227**

XtEventDispatchProc, **143**

XtEventHandler, **134**, 254

XtExposeCompressMaximal, 132

XtExposeCompressMultiple, **132**

XtExposeCompressSeries, **132**

XtExposeGraphicsExpose, **132**

XtExposeGraphicsExposeMerged, **132**

XtExposeNoCompress, **132**, 133

XtExposeNoExpose, **132**

XtExposeNoRegion, 132, 133, 259

XtExposeProc, **133**

XtExtensionSelectProc, 142

XtFilePredicate, **232**

XtFindFile, 232, **233**, 234

XtFree, 41, 42, 60, 157, 199, 201, 203, **204**, 205, 208, 211, 217, 222, 233, 235, 241

XtGeometryAlmost, 78, 103, 105, 106, 107, 110, 111, 179, 181, 182

XtGeometryDone, 104, 107, 179

XtGeometryHandler, **106**, 110

XtGeometryHookData, 239, 240

XtGeometryMask, 103

XtGeometryNo, 78, 85, 104, 107, 110, 111, 179, 182

XtGeometryResult, 104

XtGeometryYes, 78, 103, 104, 106, 107, 110, 111, 179, 251

XtGetActionKeysym, **198**

XtGetActionList, **201**

XtGetApplicationNameAndClass, **228**, 235

XtGetApplicationResources, **160**, 161, 166, 169, 172, 173, 246

XtGetClassExtension, **27**, 259

XtGetConstraintResourceList, **157**, 246

XtGetDisplays, **240**, 261

XtGetErrorDatabase, **281**

XtGetErrorDatabaseText, **281**

XtGetErrorDatabaseText, 281

XtGetGC, 60, **206**, 207, 246

XtGetKeyboardFocusWidget, 143, **144**, 260

XtGetKeysymTable, **195**, 199

XtGetMultiClickTime, **190**

XtGetResourceList, **156**, 157, 246

XtGetSelectionParameters, **221**, 222, 261

XtGetSelectionRequest, **209**, 210, 216, 252

XtGetSelectionTimeout, 273, **280**

XtGetSelectionValue, **211**, 212, 213, 218, 221, 222, 223, 252

XtGetSelectionValueIncremental, **218**, 219, 221, 222, 223, 252

XtGetSelectionValues, 211, **212**, 213, 221, 222, 223, 252

XtGetSelectionValuesIncremental, 218, **219**, 221, 222, 223, 252

XtGetSubresources, **159**, 160, 166, 169, 172, 173, 246

XtGetSubvalues, 177, **178**

XtGetValues, 71, 72, 85, 148, 153, 157, **176**, 177, 236, 246

XtGrabButton, **121**, 122, 128, 199, 200, 252

XtGrabExclusive, 98, 99, 100

XtGrabKey, **119**, 120, 123, 124, 128, 199, 200, 252

XtGrabKeyboard, **120**, 123, 124, 252

XtGrabKind, 97

XtGrabNone, 87, 99

XtGrabNonexclusive, 98, 99, 100

XtGrabPointer, **122**, 252

XtHaddCallback, 238

XtHaddCallbacks, 238

XtHasCallbacks, **152**, 236, 246

XtHaugmentTranslations, 238

XtHconfigure, 239

XtHcreate, 236

XtHdestroy, 240

XtHmanageChildren, 237

XtHmanageSet, 238

XtHmapWidget, 239

XtHooksOfDisplay, **235**, 261

XtHoverrideTranslations, 238

XtHpopdown, 239

XtHpopup, 239

XtHpopupSpringLoaded, 239

XtHpostGeometry, 240

XtHpreGeometry, 240

XtHrealizeWidget, 238

XtHremoveAllCallbacks, 238

XtHremoveCallback, 238

XtHremoveCallbacks, 238

XtHsetKeyboardFocus, 238

XtHsetMappedWhenManaged, 239

XtHsetValues, 237

XtHsetWMColormapWindows, 238

XtHuninstallTranslations, 238

XtHunmanageChildren, 237

XtHunmanageSet, 237
 XtHunmapWidget, 239
 XtHunrealizeWidget, 238
 XtIMAll, 127
 XtIMAlternateInput, 126, 127
 XtImmediate, **171**
 XtIMSignal, 116, 117, 126, 127
 XtIMTimer, 126, 127
 XtIMXEvent, 126, 127
 XtInherit, 24

—

_XtInherit, 24

X

XtInheritAcceptFocus, 25
 XtInheritAllocate, 25, 49, 60
 XtInheritChangeManaged, 25, 69
 XtInheritDeallocate, 25, 49, 60
 XtInheritDeleteChild, 25
 XtInheritDisplayAccelerator, 25
 XtInheritExpose, 25
 XtInheritGeometryManager, 25
 XtInheritInsertChild, 25
 XtInheritQueryGeometry, 25
 XtInheritRealize, 25
 XtInheritResize, 25
 XtInheritRootGeometryManager, 25, 78
 XtInheritSetValuesAlmost, 25, 181
 XtInheritTranslations, 25, 189
 XtInitialize, 258, **273**, 274, 275, 276, 280, 281
 XtInitializeWidgetClass, **23**, 24, 245
 XtInitProc, **50**, 51, 254, 255
 XtInputCallbackProc, **113**
 XtInputExceptMask, **113**
 XtInputReadMask, **113**
 XtInputWriteMask, **113**
 XtInsertEventHandler, **136**, 137, 139, 252
 XtInsertEventTypeHandler, 140, 141, 142, 143, 252, 260
 XtInsertRawEventHandler, 136, 138, **139**, 140, 252
 XtInstallAccelerators, **194**, 252
 XtInstallAllAccelerators, **194**, 252
 XtIsApplicationShell, **20**, 236, 246
 XtIsComposite, **20**, 236, 246
 XtIsConstraint, **20**, 236, 246
 XtIsManaged, **69**, 246
 XtIsObject, **20**, 236, 246
 XtIsOverrideShell, **20**, 236, 246
 XtIsRealized, **53**, 246
 XtIsRectObj, **20**, 236, 246
 XtIsSensitive, **129**, 130, 246
 XtIsSessionShell, **20**, 236, 246, 259
 XtIsShell, **20**, 236, 246
 XtIsSubclass, **20**, 236, 246
 XtIsTopLevelShell, **20**
 XtIsToplevelShell, 236, 246
 XtIsTransientShell, **20**, 236, 246
 XtIsVendorShell, **20**, 236, 246
 XtIsWidget, **20**, 236, 246
 XtIsWMSHELL, **20**, 236, 246
 XtKeyProc, 194, **195**, 196, 198, 265
 XtKeysymToKeycodeList, 198, **199**
 XtLabelCreate, 271
 XtLanguageProc, **32**
 XtLastEventProcessed, **224**, 260
 XtLastTimestampProcessed, 128, **224**
 XtListHead, 137
 XtListPosition, **136**
 XtListTail, 137, 140
 XtLoseSelectionIncrProc, 216, **217**
 XtLoseSelectionProc, **210**
 XtMainLoop, 273, **274**
 XtMakeGeometryRequest, 28, 78, 102, **103**, 104, 105, 107, 110, 111, 239, 250, 251
 XtMakeResizeRequest, 78, 102, **105**, 110, 111, 239, 250, 251
 XtMalloc, 60, **203**, 204, 205, 214, 220
 XtManageChild, 25, 39, 62, **65**, 66, 237, 250, 271
 XtManageChildren, 53, 62, **64**, 65, 68, 237, 250, 271
 XtMapWidget, **70**, 237, 239, 252
 XtMenuPopdown, 85, 100, **101**, 187, 280
 XtMenuPopup, 85, 96, 97, **99**, 100, 187, 280
 XtMenuPopupAction, 100
 XtMergeArgLists, **40**, 41
 XtMoveWidget, 65, 102, 107, **108**, 250, 251
 XtMoveWidget, 102
 XtName, **57**, 236, 246
 XtNameToWidget, **202**, 203, 246, 252
 XtNchildren, 9
 XtNew, 2, **205**
 XtNewString, **205**
 XtNextEvent, 273, **274**
 XtNinitialResourcesPersistent, **175**
 XtNinsertPosition, 9, 63
 XtNnumChildren, 9
 XtNoticeSignal, **116**, 260
 XtNumber, 2, 40, **202**
 XtNunrealizeCallback, 57
 XtObjectExtensionVersion, 244
 XtOffset, 2, **158**
 XtOffsetOf, 2, 156, **158**

XtOpenApplication, 29, **46**, 47, 48, 144, 252, 259, 271, 274
 XtOpenDisplay, 29, **31**, 37, 47, 258, 272, 274
 XtOrderProc, **63**
 XtOverrideTranslations, 191, **192**, 237, 238, 252
 XtOwnSelection, 209, **213**, 214, 252
 XtOwnSelectionIncremental, 209, 216, **219**, 220, 252
 XtParent, **55**, 236, 246
 XtParseAcceleratorTable, **193**, 194
 XtParseTranslationTable, 189, **191**
 XtPeekEvent, 273, **275**
 XtPending, 273, **275**
 XtPointer, **12**, 156, 174, 254
 XtPopdown, 85, **100**, 101, 237, 239, 253
 XtPopdownID, 101
 XtPopup, 85, 87, 97, **98**, 99, 100, 117, 237, 239, 253
 XtPopupSpringLoaded, 97, 98, 100, 237, 239, 253
 XtProc, **22**
 XtProcedureArg, **171**
 XtProcessEvent, 273, **274**, 275
 XtProcessLock, **146**, 260
 XtProcessLock., 146
 XtProcessUnlock, **146**, 260
 XtQueryGeometry, **109**, 110, 111, 250, 255
 XtQueryOnly, 251
 XtRAcceleratorTable, 154, 162
 XTranslateCoordinates, 225
 XtRAtom, 154, 162
 XtRBitmap, 154
 XtRBool, 154, 162, 164
 XtRBoolean, 154, 162, 164
 XtRCallback, 149, 152, 154
 XtRCardinal, 154
 XtRColor, 154, 163, 164
 XtRColormap, 154
 XtRCommandArgArray, 154, 162
 XtRCursor, 154, 162
 XtRDimension, 154, 162, 164
 XtRDirectoryString, 154, 162
 XtRDisplay, 154, 162
 XtRealizeProc, **53**
 XtRealizeWidget, 28, 39, **52**, 53, 54, 65, 68, 97, 98, 133, 139, 237, 238, 252
 XtRealloc, 203, **204**, 214, 220
 XtREditMode, 155
 XtRegisterCaseConverter, **197**
 XtRegisterDrawable, **125**, 226, 252, 260
 XtRegisterExtensionSelector, **141**, 142, 260
 XtRegisterGrabAction, 100, **199**
 XtReleaseGC, 60, **207**, 246, 280
 XtReleasePropertyAtom, **224**, 261
 XtRemoveActionHook, **188**, 189
 XtRemoveAllCallbacks, **151**, 236, 237, 238, 246
 XtRemoveBlockHook, **114**, 260
 XtRemoveCallback, 59, **150**, 236, 237, 238, 246
 XtRemoveCallbacks, 150, **151**, 236, 237, 238, 246
 XtRemoveEventHandler, 60, **136**, 252
 XtRemoveEventTypeHandler, 141, 252, 260
 XtRemoveGrab, 100, 117, **118**, 252
 XtRemoveInput, **113**, 114
 XtRemoveRawEventHandler, **138**, 139, 141, 252
 XtRemoveSignal, **117**, 260
 XtRemoveTimeOut, 60, **115**, 116
 XtRemoveWorkProc, **130**, 131
 XtREnum, 154
 XtREnvironmentArray, 154
 XtRequestId, **215**
 XtReservePropertyAtom, 223, **224**, 261
 XtResizeWidget, 65, 102, 107, **108**, 109, 111, 250, 251
 XtResizeWindow, **109**, 239, 252
 XtResolvePathname, 35, 36, 232, **233**, 234, 257
 XtResource, 153
 XtResourceDefaultProc, 156
 XtResourceList, 12, 153
 XtResourceQuark, **171**, 172
 XtResourceString, **171**, 172
 XtRFile, 154, 162
 XtRFloat, 154, 162, 164
 XtRFont, 154, 162, 164
 XtRFontSet, 154, 162, 163
 XtRFontStruct, 154, 162
 XtRFunction, 154
 XtRGeometry, 154
 XtRGravity, 154, 162
 XtRInitialState, 154, 162
 XtRInt, 154, 162, 164
 XtRJustify, 155
 XtRLongBoolean, 154
 XtRObject, 154
 XtROrientation, 155
 XtRPixel, 154, 162, 163, 164
 XtRPixmap, 154, 164
 XtRPointer, 154
 XtRPosition, 154, 162, 164
 XtRRestartStyle, 154, 162
 XtRScreen, 154
 XtRShort, 154, 162, 164
 XtRSmcConn, 154
 XtRString, 154, 156, 162, 163, 165
 XtRStringArray, 154
 XtRStringTable, 154
 XtRTranslationTable, 154, 162
 XtRUnsignedChar, 154, 162, 164

XtRVisual, 154, 162, 163
 XtRWidget, 154
 XtRWidgetClass, 154
 XtRWidgetList, 154
 XtRWindow, 154
 XtScreen, **55**, 56, 252
 XtScreenDatabase, 34, **36**
 XtScreenOfObject, **56**, 236, 246
 XtSelectionCallbackProc, **211**
 XtSelectionDoneIncrProc, **217**
 XtSelectionDoneProc, 208, **210**, 211
 XtSendSelectionRequest, 222, **223**, 261
 XtSendSelectionRequest., 221
 XtSessionGetToken, **91**, 92, 93, 260
 XtSessionReturnToken, **91**, 92, 93, 260
 XtSetArg, 2, **40**
 XtSetErrorHandler, **283**
 XtSetErrorMsgHandler, **281**
 XtSetEventDispatcher, **143**, 260
 XtSetKeyboardFocus, **123**, 237, 238, 246, 252
 XtSetKeyTranslator, **196**
 XtSetLanguageProc, 28, 29, **32**, 33, 144, 258
 XtSetMappedWhenManaged, 53, 62, **70**, 237, 239, 252
 XtSetMultiClickTime, **190**
 XtSetSelectionParameters, **221**, 261
 XtSetSelectionTimeout, 273, **280**
 XtSetSensitive, 97, 99, 101, **129**, 250
 XtSetSubvalues, **182**, 183
 XtSetTypeConverter, **169**, 170, 278
 XtSetValues, 13, 57, 70, 71, 93, 94, 97, 102, 103, 129, 148, 153, 157, **179**, 180, 181, 182, 184, 192, 236, 237, 246, 251
 XtSetValues., 300
 XtSetValuesFunc, **180**, 182, 254, 255
 XtSetWarningHandler, **283**
 XtSetWarningMsgHandler, **282**
 XtSetWMColormapWindows, **231**, 232, 237, 238, 252
 XtShellExtensionVersion, **78**
 XtSignalCallbackProc, **116**
 XtSMDontChange, 105, 111
 XtSpecificationRelease, 17, **254**
 XtStringConversionWarning, **277**
 XtStringProc, **193**
 XtSuperclass, **20**, 26, 236, 246
 XtTimerCallbackProc, **115**
 XtToolkitInitialize, 28, **29**, 47, 259, 272, 274
 XtToolkitThreadInitialize, 28, 29, **144**, 260
 XtTranslateCoords, **225**, 250
 XtTranslateKey, 196
 XtTranslateKeycode, **196**, 198
 XtTranslations, 191

XtTypeConverter, **164**, 277
 XtTypedArgList, **48**
 XtUngrabButton, **121**, 122, 252
 XtUngrabKey, **119**, 120, 252
 XtUngrabKeyboard, 119, **120**, 123, 128, 252
 XtUngrabPointer, 121, **122**, 123, 128, 252
 XtUninstallTranslations, **192**, 193, 237, 238, 252
 XtUnmanageChild, 58, 62, **67**, 237, 250
 XtUnmanageChildren, 62, **66**, 67, 68, 237, 250, 259, 271
 XtUnmanageChildren, 53
 XtUnmapWidget, 61, **70**, 237, 239, 252
 XtUnrealizeWidget, 53, **57**, 237, 238, 252, 255
 XtUnregisterDrawable, **125**, 260
 XtUnspecifiedPixmap, 6, **7**, 54
 XtUnspecifiedShellInt, **85**, 86
 XtUnspecifiedWindow, 85, **87**
 XtUnspecifiedWindowGroup, **87**
 XtVaAppCreateShell, **45**, 46, 252, 253
 XtVaAppInitialize, 253, 258, 271, **272**, 273
 XtVaCreateArgsList, **42**
 XtVaCreateManagedWidget, 65, **66**, 250, 253
 XtVaCreatePopupShell, 96, **97**, 252, 253
 XtVaCreateWidget, 41, **44**, 53, 245, 246
 XtVaGetApplicationResources, **161**, 172, 246
 XtVaGetSubresources, 159, **160**, 172, 246
 XtVaGetSubvalues, **178**
 XtVaGetValues, **177**, 236, 246
 XtVaNestedList, **41**, 42
 XtVaOpenApplication, 46, **47**, 48, 252, 271
 XtVarArgsList, 42
 XtVaSetSubvalues, **183**
 XtVaSetValues, **179**, 180, 184, 236, 237, 246
 XtVaTypedArg, **41**, 42, 48, 50, 52, 177, 178, 183
 XtVersion, 17
 XtVersionDontCheck, 17
 XtWarning, 33, 230, 282, **284**

—

_XtWarning, 284

X

XtWarningMsg, 277, **282**
 XtWidgetBaseOffset, **171**, 172
 XtWidgetClassProc, **23**
 XtWidgetGeometry, 103, 104, 105, 110
 XtWidgetProc, **59**, 60, 63, 64, 111
 XtWidgetToApplicationContext, **30**, 236, 246
 XtWindow, **56**, 252
 XtWindowOfObject, **56**, 246
 XtWindowToWidget, 125, **226**, 253, 260

XtWorkProc, **130**

XUngrabButton, 121, 122

XUngrabKey, 119, 120

XUngrabKeyboard, 120

XUngrabPointer, 122, 123

XUSERFILESEARCHPATH, **35**

XWMGeometry, 85, 86, 87