XtQueryGeometry – query the preferred geometry of a child widget

XtGeometryResult XtQueryGeometry(w, intended, preferred_return)
    Widget w;
    XtWidgetGeometry *intended, *preferred_return;

intended           Specifies any changes the parent plans to make to the child’s geometry or NULL.
preferred_return   Returns the child widget’s preferred geometry.
w                  Specifies the widget.

To discover a child’s preferred geometry, the child’s parent sets any changes that it intends to make
to the child’s geometry in the corresponding fields of the intended structure, sets the corresponding
bits in intended.request_mode, and calls XtQueryGeometry.

XtQueryGeometry clears all bits in the preferred_return->request_mode and checks the query_geometry
field of the specified widget’s class record. If query_geometry is not NULL, XtQueryGeometry calls the
query_geometry procedure and passes as arguments the specified widget, intended, and preferred_return
structures. If the intended argument is NULL, XtQueryGeometry replaces it with a pointer to an
XtWidgetGeometry structure with request_mode=0 before calling query_geometry.

XtConfigureWidget(3Xt), XtMakeGeometryRequest(3Xt)
X Toolkit Intrinsics – C Language Interface
Xlib – C Language X Interface