NAME
>   XtMakeGeometryRequest, XtMakeResizeRequest − make geometry manager request

SYNTAX
>   XtGeometryResult XtMakeGeometryRequest(Widget *w*, XtWidgetGeometry **request*, XtWidgetGeometry
>   **reply_return*);
>
>   XtGeometryResult XtMakeResizeRequest(Widget *w*, Dimension *width*, *height*, Dimension **width_return*,
>   Dimension **height_return*);

ARGUMENTS
>   *reply_return*   Returns the allowed widget size or may be NULL if the requesting widget is not inter-
>   ested in handling **XtGeometryAlmost**.
>
>   *request*   Specifies the desired widget geometry (size, position, border width, and stacking order).
>
>   *w*   Specifies the widget that is making the request.
>
>   *width_return*
>   *height_return*   Return the allowed widget width and height.

DESCRIPTION
>   Depending on the condition, **XtMakeGeometryRequest** performs the following:
>
>   •   If the widget is unmanaged or the widget's parent is not realized, it makes the changes and returns
>   **XtGeometryYes**.
>
>   •   If the parent is not a subclass of **compositeWidgetClass** or the parent's geometry_manager is
>   NULL, it issues an error.
>
>   •   If the widget's being_destroyed field is **True**, it returns **XtGeometryNo**.
>
>   •   If the widget x, y, width, height and border_width fields are all equal to the requested values, it re-
>   turns **XtGeometryYes**; otherwise, it calls the parent's geometry_manager procedure with the given
>   parameters.
>
>   •   If the parent's geometry manager returns **XtGeometryYes** and if **XtCWQueryOnly** is not set in the
>   request_mode and if the widget is realized, **XtMakeGeometryRequest** calls the **XConfigureWin-
>   dow** Xlib function to reconfigure the widget's window (set its size, location, and stacking order as
>   appropriate).
>
>   •   If the geometry manager returns **XtGeometryDone**, the change has been approved and actually has
>   been done. In this case, **XtMakeGeometryRequest** does no configuring and returns **XtGeome-
>   tryYes**. **XtMakeGeometryRequest** never returns **XtGeometryDone**.
>
>   Otherwise, **XtMakeGeometryRequest** returns the resulting value from the parent's geometry manager.
>
>   Children of primitive widgets are always unmanaged; thus, **XtMakeGeometryRequest** always returns
>   **XtGeometryYes** when called by a child of a primitive widget.
>
>   The **XtMakeResizeRequest** function, a simple interface to **XtMakeGeometryRequest**, creates a **XtWid-
>   getGeometry** structure and specifies that width and height should change. The geometry manager is free
>   to modify any of the other window attributes (position or stacking order) to satisfy the resize request. If the
>   return value is **XtGeometryAlmost**, width_return and height_return contain a compromise width and
>   height. If these are acceptable, the widget should immediately make an **XtMakeResizeRequest** and re-
>   quest that the compromise width and height be applied. If the widget is not interested in **XtGeometryAl-
>   most** replies, it can pass NULL for width_return and height_return.

SEE ALSO
>   XtConfigureWidget(3), XtQueryGeometery(3)
>   *X Toolkit Intrinsics − C Language Interface*
>   *Xlib − C Language X Interface*