



## **Rocky Enterprise Linux 9.2 Manual Pages on command 'XtMakeGeometryRequest.3'**

**C:\>man XtMakeGeometryRequest.3**

XtMakeGeometryRequest(3)            XT FUNCTIONS            XtMakeGeometryRequest(3)

### NAME

XtMakeGeometryRequest, XtMakeResizeRequest - make geometry manager request

### SYNTAX

```
XtGeometryResult XtMakeGeometryRequest(Widget w, XtWidgetGeometry *request, XtWid?
    getGeometry *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 interested 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 `geom?`  
`try_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 returns `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, `XtMakeGeometry?`  
`Request` calls the `XConfigureWindow` `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 con?  
figuring and returns `XtGeometryYes`. `XtMakeGeometryRequest` never returns `XtGe?`  
`ometryDone`.

Otherwise, `XtMakeGeometryRequest` returns the resulting value from the parent's `ge?`  
`ometry manager`.

Children of primitive widgets are always unmanaged; thus, `XtMakeGeometryRequest` al?  
ways returns `XtGeometryYes` when called by a child of a primitive widget.

The `XtMakeResizeRequest` function, a simple interface to `XtMakeGeometryRequest`, cre?  
ates a `XtWidgetGeometry` 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 `XtMake?`  
`ResizeRequest` and request that the compromise width and height be applied. If the  
widget is not interested in `XtGeometryAlmost` replies, it can pass `NULL` for  
`width_return` and `height_return`.

#### SEE ALSO

`XtConfigureWidget(3)`, `XtQueryGeometry(3)`

X Toolkit Intrinsic - C Language Interface

`Xlib` - C Language X Interface