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 AHELP for CIAO 3.4

## regExtent

Context: [region](#)

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### Synopsis

Calculate the bounding box of a region.

### Syntax

```
(xmin, ymin, xmax, ymax) = regExtent( Region_Type Region )
where xmin, ymin, xmax, and ymax are all Double_Type
```

### Description

The regExtent routine returns the bounding box of a region. It is primarily useful if you wish to use the six–argument form of regArea().

### Example

```
chips> require("region")
chips> reg = regParse("circle(10,10,4)-rect(4,2,5,4)")
chips> (x0,y0,x1,y1) = regExtent( reg )
chips> vmessage( "Bounding box is (%.1f,%.1f) to (%.1f,%.1f)", x0, y0,
x1, y1 )
Bounding box is (6.0,6.0) to (14.0,14.0)
```

### CHANGES IN CIAO 3.2

This function is new to CIAO 3.2.

### Bugs

See the [bugs page for the region library](#) on the CIAO website for an up–to–date listing of known bugs.

## See Also

*modules*

[region](#)

*region*

[regarea](#), [regextent](#), [reginsideregion](#), [regparse](#), [regprintregion](#), [regregionstring](#)

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URL:  
<http://cxc.harvard.edu/ciao3.4/regextent.html>  
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