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Subject: Re: data inside a circle

Posted by [Michael Wallace](#) on Mon, 13 Jun 2005 16:20:02 GMT

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> Thank you. I was wondering if there is a function or procedure in IDL  
> that will find the coordinates of the bounding box for a circle and/or  
> ellipse.

If the origin is at  $[x, y]$  and you have a radius  $r$ , the bounding box is defined by  $[x - r, y - r]$  for the lower left-hand corner and  $[x + r, y + r]$  for the upper-right hand corner. If you have an ellipse, just replace  $r$  with the radius in the  $x$  direction and radius in the  $y$  direction. This assumes that you don't have any ellipses that are tilted.

-Mike

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