
Subject: Re: Points in a rectangle with an angle
Posted by [K. Bowman](#) on Wed, 05 Apr 2006 16:43:54 GMT
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In article <1144254765.987764.323760@i39g2000cwa.googlegroups.com>,
JJMeyers2@gmail.com wrote:

> Hello,
>
> I have a problem in IDL that I was wondering if anyone has any idea how
> it can be done.
> I have a set of coordinates and I am trying to figure out how many of
> the coordinates are inside a rectangle. I know the coordinates of the 4
> edges of the rectangle but the problem is that the rectangle is at an
> angle in the x,y axis (I know the slope). I can not just say
> coords=where((x LE xmax) AND (x GT xmin) AND (y LE ymax) AND (y GT
> ymax))
> because that will give me coordinates of a rectangle without an angle
> (parallel to the y axis).
> Is there any function in IDL that might be doing that?
>
> Thank you,
> JJM.

If you know the angle of the rectangle, rotate your coordinate system, then use
the simple comparison that you give above.

Ken Bowman
