
Subject: Re: Already written function to find if a point is within a rectangle?

Posted by [Craig Markwardt](#) on Tue, 21 Feb 2012 03:22:38 GMT

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On Feb 20, 5:56 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

>> So I need a way to find out if a point (position of a star) is
>> within a rectangle (image boundary). The rectangle edges are not
>> strictly horizontal or vertical.
>
> You talk about coordinates in RA and dec. So are the images really
> rectangular? It seems to me that the real problem is that you need to
> deal with spherical geometry.

Not only that, but an "image boundary" will be projection-dependent
[*]. For small images it probably won't matter much, but there will
always be an edge case that gets you later.

Craig

[*] "projection" = the cartographic projection which was used to turn
a curved sky into a flat image.
