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.