
Subject: Re: Fractional Pixels Origin?

Posted by [David Fanning](#) on Fri, 17 Feb 2006 00:02:20 GMT

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Wayne Landsman writes:

- > I'll say that the FITS convention is that [0,0] locates
- > the center of the pixel. (This differs from most other
- > image processing standards where [0.,0.] defines the lower
- > lefthand corner.)

Then, JD Smith writes:

- > FITS does indeed use [0.0,0.0]. I'd urge those of you making the
- > choice for your programs to save the world confusion, and adopt the
- > "natural" choice: pixels centered on [a.5,b.5].

I'm confused. :-(

I thought Wayne was saying that the center of the first pixel was at [0,0], which would mean the pixel spanned the distance (on my ruler) of -0.5 to 0.5. JD seems to contradict this.

I'm not sure when (if ever) I am going to *use* fractional pixels, but I would like to understand it. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
