
Subject: Re: Fractional Pixels Origin?

Posted by [rm](#) on Thu, 16 Feb 2006 14:24:28 GMT

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How's about this

```
pro find_pixel_edge
```

```
    window, xsize=20, ysize=20
    count=intarr(1001)
    for i=0, 1000 do begin
        plots, [0.0, 0.01*i], [10,10], /device
        bits=tvrd()
        count(i)=total(bits ne 0)
    endfor
```

```
    print, where(count ne count(1:*)) * 0.01
```

```
end
```

I've tried on a couple of Linux platforms and versions of IDL and the result I get is

```
    0.490000    1.49000    2.49000    3.49000    4.49000
5.49000
    6.49000    7.49000    8.49000    9.49000
```

So a new pixel starts at 0.5, 1.5 etc. which makes [0,0] the centre of a pixel.
