
Subject: Re: Fractional Pixels Origin?

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

[View Forum Message](#) <> [Reply to Message](#)

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.
