## Subject: image function question
Posted by Dae-Kyu Shin on Wed, 11 Feb 2015 01:53:04 GMT
View Forum Message <> Reply to Message

here is a example

```
data = DIST(500)
 x = FINDGEN(500, start=1)
 win = window()
 win.refresh, /disable
 i = image(data, x, x, /current, /axis)
 win.save, 'test.png'
```

"test.png" file No image appears.!!(just axes)-> bug??

and question.

```
data = DIST(500)
 x = FINDGEN(500, start=1)/5

c = contour(data, x, x, /ylog)
 i = image(data, x, x, /ylog, /axis)
```

image function does not appear to ylog.(just yaxis value.....)
 but contour function is OK.
 Is that intended??

idl 8.4 and 8.3

## Subject: Re: image function question
Posted by Helder Marchetto on Wed, 11 Feb 2015 10:33:13 GMT
View Forum Message <> Reply to Message

the first is easy.
take away:
win.refresh, /disable

Cheers, Helder

On Wednesday, February 11, 2015 at 2:53:08 AM UTC+1, Dae-Kyu Shin wrote:
> here is a example
>

> data = DIST(500)
> x = FINDGEN(500, start=1)
> win = window()
> win.refresh, /disable
> i = image(data, x, x, /current, /axis)
> win.save, 'test.png'
>
> "test.png" file No image appears.!!(just axes)-> bug??
>
>
>
>
> and question.
>
> data = DIST(500)
> x = FINDGEN(500, start=1)/5
>
> c = contour(data, x, x, /ylog)
> i = image(data, x, x, /ylog, /axis)
>
> image function does not appear to ylog.(just yaxis value.....)
> but contour function is OK.
> Is that intended??
>
>
>
> idl 8.4 and 8.3

---

## Subject: Re: image function question
Posted by Fabzi on Wed, 11 Feb 2015 15:22:22 GMT

On 11.02.2015 02:53, Dae-Kyu Shin wrote:
> image function does not appear to ylog.
>   but contour function is OK.
>   Is that intended??

I think it is intended, or rather it is impossible for image() to know
exactly what to do with your image. Stretching an image and changing its
pixel resolution is a quite intrusive behavior, so that if you really
want to stretch an image you should decide the "how" by yourself.

---

## Subject: Re: image function question
Posted by chris_torrence@NOSPAM on Wed, 11 Feb 2015 16:13:03 GMT

---

On Wednesday, February 11, 2015 at 8:22:27 AM UTC-7, Fabien wrote:
> On 11.02.2015 02:53, Dae-Kyu Shin wrote:
>>  image function does not appear to ylog.
>>   but contour function is OK.
>>   Is that intended??
>
> I think it is intended, or rather it is impossible for image() to know
> exactly what to do with your image. Stretching an image and changing its
> pixel resolution is a quite intrusive behavior, so that if you really
> want to stretch an image you should decide the "how" by yourself.

Hi all,

Fabien is correct - Image does not work with log axes - it would be weird (although possible) to stretch each pixel by a different "logarithmic" amount. So you either need to do the stretch manually... or perhaps better, you should  take the log of your "y" axis values and do the contour plot without the log keyword.

And Helder's correct about the other one - if you do /disable, you had better do an /enable before trying to output.

Cheers,
Chris