
Subject: Re: mandelbrot

Posted by [d.poreh](#) on Wed, 14 Apr 2010 12:33:00 GMT

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On Apr 14, 4:49 am, a <oxfordenergyservi...@googlemail.com> wrote:

> I was looking for a mandelbrot set generator for idl to show off idl
> to someone
>
> I found this http://rosettacode.org/wiki/Mandelbrot_set#IDL but I
> remember seeing a more efficient version (just a few lines) once.
>
> anybody got a mandelbrot set generator in the fewest lines?
>
> Russ

see this: http://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thread/c4b73eeabdee2b13/4ac0e925bab3a9fb?lnk=gst&q=fractal+poreh#4ac0e925bab3a9fb

Cheers

Dave

Subject: Re: mandelbrot

Posted by [pgrigis](#) on Wed, 14 Apr 2010 15:20:46 GMT

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This comes pretty close to a minimum set of commands:

```
;setup coordinates
x=findgen(512)/511*4-2
xx=x#(x*0+1)
zz=complex(xx,transpose(xx))
cc=zz
```

```
;compute set for n=100 iterations
niter=100
for i=0,niter-1 do zz=zz*zz+cc
```

```
inside=where(abs(zz) LE 2,complement=outside)
```

```
;this just for display  
mand=xx*0  
mand[inside]=1  
tvsc1,mand
```

Ciao,
Paolo

Subject: Re: mandelbrot
Posted by [d.poreh](#) on Thu, 15 Apr 2010 08:39:49 GMT
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On Apr 14, 8:20 am, Paolo <pgri...@gmail.com> wrote:
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> Ciao,

> Paolo

Any help with KOCH curve?

Subject: Re: mandelbrot

Posted by [pgrigis](#) on Thu, 15 Apr 2010 14:16:45 GMT

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On Apr 15, 4:39 am, Dave Poreh <d.po...@gmail.com> wrote:

> On Apr 14, 8:20 am, Paolo <pgri...@gmail.com> wrote:

>

>

>

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>

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>> mand=xx*0

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>> tvscl,mand

>

>> Ciao,

>> Paolo

>

> Any help with KOCH curve?

what have you tried? how did it fail?

Paolo

Subject: Re: mandelbrot

Posted by [d.poreh](#) on Fri, 16 Apr 2010 13:44:24 GMT

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On Apr 15, 7:16 am, Paolo <pgri...@gmail.com> wrote:

> On Apr 15, 4:39 am, Dave Poreh <d.po...@gmail.com> wrote:

>

>

>

>

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>
>>> Ciao,
>>> Paolo
>
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>
> what have you tried? how did it fail?
>
> Paolo

I just want to know how we could produce it (KOCH curve) in IDL.
Dave
