
Subject: Re: mandelbrot

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

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On Apr 14, 7:49 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

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
