
Subject: Re: How to display single orbits of satellite data in function graphics?

Posted by [Mark Piper](#) on Tue, 30 Apr 2013 18:18:34 GMT

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On Tuesday, April 30, 2013 12:17:00 PM UTC-6, Mark Piper wrote:

> On Tuesday, April 30, 2013 10:56:08 AM UTC-6, David Fanning wrote:

>

>>

>

>> My first thought would have been to try to plot all points at once, with

>

>> a single Plot() command, without the loop. Did you try that?

>

>>

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>

>

> As David suggests, vectorization is the IDL Way! Here's an example:

>

>

>

> IDL> x = randomu(1, n)*360

>

> IDL> y = randomu(2, n)*180 - 90

>

> IDL> z = floor(randomu(3, n)*256)

>

> IDL> tic

>

> IDL> p = plot(x, y, rgb_table=27, vert_colors=z, linestyle='none', symbol='+')

>

> IDL> toc

>

> % Time elapsed: 0.54600000 seconds.

>

>

>

> mp

Ooops, n = 1e3 in my example.

mp
