## 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?
>
>>
>
>
  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
```