
Subject: plotting one point with plot3d()
Posted by [dg86](#) on Sun, 03 Mar 2013 14:19:49 GMT
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In making an animation, I wanted to move a single point around a three-dimensional plot, and ran into a bug in IDL 8.2.2. It turns out that it's possible to plot a single point with plot3d():

```
IDL> p = plot3d( [1], [2], [3], symbol = "o" )
```

It is not possible, however, to update that point:

```
IDL> p.putdata, [2], [3], [4]  
% Attempt to subscript SZDIMS with <LONG ( 1)> is out of range.
```

The two-dimensional equivalent works just fine with plot().
I've found a kludgy work-around, but just thought I'd mention the bug.
It also would be nice if plot() and plot3d() would accept scalar x, y, and z arguments for the special case of plotting just one point.

All the best,

David

Subject: Re: plotting one point with plot3d()
Posted by [Mark Piper](#) on Tue, 05 Mar 2013 14:56:16 GMT
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On Sunday, March 3, 2013 7:19:49 AM UTC-7, David Grier wrote:

```
>  
> It also would be nice if plot() and plot3d() would accept scalar x, y, and z arguments for the  
special case of plotting just one point.  
>
```

Thanks, David; I'll look into this.

mp

Subject: Re: plotting one point with plot3d()
Posted by [Mark Piper](#) on Wed, 06 Mar 2013 16:25:16 GMT
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On Sunday, March 3, 2013 7:19:49 AM UTC-7, David Grier wrote:

```
> In making an animation, I wanted to move a single point around a three-dimensional  
>
```

> plot, and ran into a bug in IDL 8.2.2. It turns out that it's possible to plot a single point
>
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>
> IDL> p = plot3d([1], [2], [3], symbol = "o")
>
>
>
> It is not possible, however, to update that point:
>
>
>
> IDL> p.putdata, [2], [3], [4]
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>
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>
> The two-dimensional equivalent works just fine with plot().
>
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>
> It also would be nice if plot() and plot3d() would accept scalar x, y, and z arguments
>
> for the special case of plotting just one point.
>
>
>
> All the best,
>
>
>
> David

Done! Eddie fixed this yesterday; it'll be in 8.2.3.

mp

Subject: Re: plotting one point with plot3d()
Posted by [dg86](#) on Fri, 08 Mar 2013 00:19:39 GMT
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On Wednesday, March 6, 2013 11:25:16 AM UTC-5, Mark Piper wrote:

> On Sunday, March 3, 2013 7:19:49 AM UTC-7, David Grier wrote:
>

```

>> In making an animation, I wanted to move a single point around a three-dimensional
>
>>
>
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>> for the special case of plotting just one point.
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>> All the best,
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>
>> David
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>
>
> Done! Eddie fixed this yesterday; it'll be in 8.2.3.
>
>
>
> mp
```

Outstanding! Many thanks,

David
