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