Subject: Re: plot z vector on x-y plot
Posted by David Fanning on Thu, 13 Dec 2012 13:52:23 GMT

justinclouds writes:

> I would like to plot z (a vector) as a color scale along an x-y plot (latitude vector and longitude vector). Anybody have any ideas on how to do this in IDL?

I'm not clear exactly what you have in
mind here. Is it something like this:

   http://www.idlcoyote.com/graphics_tips/coloredline.html

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: plot z vector on x-y plot
Posted by justinclouds on Fri, 14 Dec 2012 18:10:44 GMT

It is hard to explain. Something like this would be a good example
http://fuelberg.met.fsu.edu/research/arctas/traj/traj.html (the top figure showing a flight track in lat/lon with a property plotted along the track ... in this case pressure is plotted)

I am checking a few things in iplot but so far no success.

Thanks!
Duncan

On Thursday, December 13, 2012 6:52:23 AM UTC-7, David Fanning wrote:
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Subject: Re: plot z vector on x-y plot
Posted by David Fanning on Fri, 14 Dec 2012 18:15:33 GMT

justinclouds writes:

> It is hard to explain.

Which usually makes it hard to program, too. :-)

> Something like this would be a good example
> http://fuelberg.met.fsu.edu/research/arctas/traj/traj.html (the top figure showing a flight track in lat/lon with a property plotted along the track ... in this case pressure is plotted)

Well, I think the examples on this page are pretty much
what you have in mind:

  http://www.idlcoyote.com/graphics_tips/coloredline.html

> I am checking a few things in iplot but so far no success.

iPlot!? Well, good luck with that. :-)

Cheers,

David

--
David Fanning, Ph.D.
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Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: plot z vector on x-y plot
Posted by justinclouds on Fri, 14 Dec 2012 20:04:20 GMT
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Works very nicely. THANKS!

Duncan

On Friday, December 14, 2012 11:15:33 AM UTC-7, David Fanning wrote:
> justinclouds writes:
>
>
>
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> David Fanning, Ph.D.

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> Fanning Software Consulting, Inc.

>

> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/

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Subject: Re: plot z vector on x-y plot
Posted by markjamie on Tue, 18 Dec 2012 23:05:25 GMT
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You could also do this with function graphics by plotting with symbols and using the vert_colors keyword to provide your z vector.

Off the top of my head...

P=plot(x, y, symbol='o', vert_colors=z, rgb_table=39)

Syntax may be slightly wrong as I'm quoting from memory but should hopefully give the right idea.

This obviously only comes out as a line if you have a lot of data points.

Mark