
Subject: Ternary Plot in IDL?

Posted by [JP](#) on Tue, 09 Apr 2013 06:49:55 GMT

[View Forum Message](#) <> [Reply to Message](#)

Googled that in the group and it doesn't seem to be anything done for that yet although ppl have asked about it every now and then.

I am after a ternary plot http://en.wikipedia.org/wiki/Ternary_plot

Was told that R has a function for it: <http://rss.acs.unt.edu/Rdoc/library/vcd/html/ternaryplot.htm> I

Wouldn't it be great if there was something like it in IDL?

maybe a cgTernaryPlot procedure? ;) ;)

cheers

JP

Subject: Re: Ternary Plot in IDL?

Posted by [Michael Galloy](#) on Tue, 09 Apr 2013 14:27:11 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 4/9/13 12:49 am, JP wrote:

> Googled that in the group and it doesn't seem to be anything done for that yet although ppl have asked about it every now and then.

>

> I am after a ternary plot http://en.wikipedia.org/wiki/Ternary_plot

> Was told that R has a function for it: <http://rss.acs.unt.edu/Rdoc/library/vcd/html/ternaryplot.htm> I

>

> Wouldn't it be great if there was something like it in IDL?

>

> maybe a cgTernaryPlot procedure? ;) ;)

Here's a start in direct graphics:

https://github.com/mgalloy/mglib/blob/master/src/vis/lineplots/mg_ternaryplot.pro

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Research Mathematician

Tech-X Corporation

Subject: Re: Ternary Plot in IDL?
Posted by [JP](#) on Tue, 09 Apr 2013 23:59:42 GMT
[View Forum Message](#) <> [Reply to Message](#)

cool! thanks

Subject: Re: Ternary Plot in IDL?
Posted by [JP](#) on Wed, 10 Apr 2013 06:08:13 GMT
[View Forum Message](#) <> [Reply to Message](#)

Michael,

What's the difference between the library which can be accessed (and downloaded) from <https://github.com/mgalloy/mglib> (which includes the mg_ternaryplot procedure you mentioned) from the vis_ternaryPlot one documented in http://docs.idldev.com/vis/lineplots/vis_ternaryplot.html ?

JP

On Wednesday, 10 April 2013 00:27:11 UTC+10, Mike Galloy wrote:

> On 4/9/13 12:49 am, JP wrote:

>

>> Googled that in the group and it doesn't seem to be anything done for that yet although ppl have asked about it every now and then.

>

>>

>

>> I am after a ternary plot http://en.wikipedia.org/wiki/Ternary_plot

>

>> Was told that R has a function for it:

<http://rss.acs.unt.edu/Rdoc/library/vcd/html/ternaryplot.htm> I

>

>>

>

>> Wouldn't it be great if there was something like it in IDL?

>

>>

>

>> maybe a cgTernaryPlot procedure? ;) ;)

>

>

>

> Here's a start in direct graphics:

>

>

>
>
>
> https://github.com/mgalloy/mglib/blob/master/src/vis/lineplots/mg_ternaryplot.pro
>
>
>
> Mike
>
> --
>
> Michael Galloy
>
> www.michaelgalloy.com
>
> Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)
>
> Research Mathematician
>
> Tech-X Corporation

Subject: Re: Ternary Plot in IDL?

Posted by [Michael Galloy](#) on Wed, 10 Apr 2013 14:40:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 4/10/13 12:08 am, JP wrote:

> Michael,
>
> What's the difference between the library which can be accessed (and
> downloaded) from <https://github.com/mgalloy/mglib> (which includes the
> mg_ternaryplot procedure you mentioned) from the vis_ternaryPlot one
> documented in
> http://docs.idldev.com/vis/lineplots/vis_ternaryplot.html ?

I moved everything over to Github this winter, so that is the current version and the one to watch going forward. Right now, I don't think there is any functional difference.

Mike

--

Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)
Research Mathematician
Tech-X Corporation

Subject: Re: Ternary Plot in IDL?
Posted by [JP](#) on Fri, 12 Apr 2013 03:46:06 GMT
[View Forum Message](#) <> [Reply to Message](#)

ok, thanks

On Thursday, 11 April 2013 00:40:56 UTC+10, Mike Galloy wrote:

> On 4/10/13 12:08 am, JP wrote:

>

>> Michael,

>

>>

>

>> What's the difference between the library which can be accessed (and

>

>> downloaded) from <https://github.com/mgalloy/mglib> (which includes the

>

>> mg_ternaryplot procedure you mentioned) from the vis_ternaryPlot one

>

>> documented in

>

>> http://docs.idldev.com/vis/lineplots/vis_ternaryplot.html ?

>

>

>

> I moved everything over to Github this winter, so that is the current

>

> version and the one to watch going forward. Right now, I don't think

>

> there is any functional difference.

>

>

>

> Mike

>

> --

>

> Michael Galloy

>

> www.michaelgalloy.com

>

> Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

>

> Research Mathematician

>

> Tech-X Corporation

Subject: Re: Ternary Plot in IDL?

Posted by [nicholasehamilton](#) on Thu, 19 Dec 2013 14:12:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

Dear JP,

I am aware that you requested Ternary plots in IDL, however, I wanted to mention that I have just published on CRAN, a package for R, for the plotting of ternary diagrams.

It is based off ggplot2, which is highly regarded, and, my website can be viewed at www.ggtern.com, including many examples, specifically including a case study at the following address:

<http://ggtern.com/case-studies/>

On Tuesday, April 9, 2013 4:49:55 PM UTC+10, JP wrote:

> Googled that in the group and it doesn't seem to be anything done for that yet although ppl have asked about it every now and then.

>

>

>

> I am after a ternary plot http://en.wikipedia.org/wiki/Ternary_plot

>

> Was told that R has a function for it: <http://rss.acs.unt.edu/Rdoc/library/vcd/html/ternaryplot.htm>

|

>

>

>

> Wouldn't it be great if there was something like it in IDL?

>

>

>

> maybe a cgTernaryPlot procedure? ;) ;)

>

>

>

> cheers

>

>

>

> JP

Subject: Re: Ternary Plot in IDL?

Posted by [zulu](#) on Fri, 13 Jun 2014 17:12:41 GMT

[View Forum Message](#) <> [Reply to Message](#)

I have been using Nick's ggtern for a while now and just updated it to Ubuntu 14.04, 64 bit. It is a

superior program for plotting ternary diagrams.

George Hart
