Subject: Re: xyouts: define decimal places of variable
Posted by Andy Heaps on Wed, 18 Feb 2009 10:24:32 GMT
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Hello Julia,
   try the following:

xyouts, x, y, STRTRIM(STRING(myvariable, FORMAT='(f10.2)'), 2), /Normal

   Cheers
      Andy

julia.walterspiel@gmail.com wrote:
> hello everyone
>
> is there a way to define the number of decimal places when plotting a
> (float) variable into a plot via xyouts?
> eg
> xyouts, x, y, myvariable, /Normal
>
> --> 0.3423564 but I only want it to display 0.34
>
> i understand the FORMAT-codes do not work with xyouts...
>
> thanks for any hints,
> julia

Subject: Re: xyouts: define decimal places of variable
Posted by julia.walterspiel on Wed, 18 Feb 2009 10:58:37 GMT
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thank you Andy, that helped!
cheers
julia

Subject: Re: xyouts: define decimal places of variable
Posted by Carsten Lechte on Wed, 18 Feb 2009 11:35:19 GMT
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julia.walterspiel@gmail.com wrote:
> is there a way to define the number of decimal places when plotting a
> (float) variable into a plot via xyouts?

Use the STRING function, which does accept format statements:

XYOUTS, 0.5, 0.5, STRING(0.3453534534, FORMAT='(F6.2)')

chl

Subject: Re: xyouts: define decimal places of variable
Posted by Mark[1] on Thu, 19 Feb 2009 21:04:28 GMT
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On Feb 19, 12:35 am, Carsten Lechte <c...@toppoint.de> wrote:
> Use the STRING function, which does accept format statements:
>
> XYOUTS, 0.5, 0.5, STRING(0.3453534534, FORMAT='(F6.2)')

A minor addition: you can omit the leading spaces with FORMAT='(F0.2)'

Subject: Re: xyouts: define decimal places of variable
Posted by David Fanning on Fri, 20 Feb 2009 03:43:28 GMT
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Mark writes:

> On Feb 19, 12:35=A0am, Carsten Lechte <c...@toppoint.de> wrote:
>> Use the STRING function, which does accept format statements:
>>
>> XYOUTS, 0.5, 0.5, STRING(0.3453534534, FORMAT=3D'(F6.2)')
>
> A minor addition: you can omit the leading spaces with FORMAT=3D'(F0.2)'

While I am thinking about it, I always use NUMBER_FORMATTER
to format numbers into strings so I can display them in
text widgets. You can specify how many decimal places
you want in the number with a keyword.

   http://www.dfanning.com/programs/number_formatter.pro

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.