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Subject: Special characters in axis labels

Posted by [am9963](#) on Wed, 16 Nov 1994 21:25:41 GMT

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Does anyone know how to put special characters in the axis labels when you make a postscript plot in idl? I need to label one axis as angstroms and I can't seem to be able to find a way to put the ascii code for the angstrom symbol in the text string which describes the x-axis. How do I let idl know that I want ascii symbol 197 in my string and not "197"? I have looked all over in the documentation and can't find how to do this. Any help would be greatly appreciated.

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Alan E. Munter

[munter@uiuc.edu](mailto:munter@uiuc.edu)

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Subject: Re: Special characters in axis labels

Posted by [agrap](#)s on Thu, 17 Nov 1994 18:03:01 GMT

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am9963@glhpx6 (Alan Edwin Munter) writes:

> Does anyone know how to put special characters in the axis labels when  
> you make a postscript plot in idl? I need to label one axis as angstroms  
> and I can't seem to be able to find a way to put the ascii code for the  
> angstrom symbol in the text string which describes the x-axis.

> --

> Alan E. Munter

> [munter@uiuc.edu](mailto:munter@uiuc.edu)

Alan:

When I had to do what you wanted a long time ago, I looked it up in Adobe's Postscript Lang Reference Manual. I don't have my manual handy, so I don't recall the octal reference number. (For example, for degree, the octal value is : \260.) I tried to find the angstrom symbol in another postscript book that I have, and I could only find the octal number for the "ring" symbol, the circle over the A: \312. So how about trying this: draw a regular A, and back up and put the ring over it? Say the A is in Times-Roman font: !7. Note, !9 is the symbol font, !S is the save position action, !R is the restore position action, !X returns to the entry font, and !N shifts back to the normal level (probably not necessary).

So, try this: (haven't tested it, so I don't know if this works)

Angstrom = '!S!7A!R!9\312!N!X'

xlabel = 'Wavelength ('+Angstrom+)'  
(draw xlabel)

Amara

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"If you wish to drown, do not torture yourself with shallow water."  
--A Bulgarian proverb

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Subject: Re: special characters  
Posted by [Tim Abbott](#) on Mon, 08 Jun 1998 07:00:00 GMT  
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Mirko Loehmann wrote:

> Hi,  
> how do I get special characters for titles for example  
> which would look in LaTeX like this  
> q\_x [ $\Lambda^{-1}$ ]

title="q!Dx!N["+string(0197B)+"!E-1!N]"

Cheers,

Tim

--

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Subject: Re: special characters  
Posted by [Wim Bouwman](#) on Tue, 09 Jun 1998 07:00:00 GMT  
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Tim Abbott <[tmca@cfht.hawaii.edu](mailto:tmca@cfht.hawaii.edu)> wrote in article  
<357C6940.9A230C50@cfht.hawaii.edu>...  
> Mirko Loehmann wrote:

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>
>> Hi,
>> how do I get special characters for titles for example
>> which would look in LaTeX like this
>> q_x [\AA^{-1}]
>
> title="q!Dx!N["+string(0197B)+"!E-1!N]"
or:
title="q!Dx!N[0.1 nm!E-1!N]"
```

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