
Subject: Re: Angstrom symbol in IDL/PvWave title
Posted by [sterne](#) on Tue, 24 Mar 1992 23:44:32 GMT

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>> I'm making a plot and I need to use an Angstrom symbol in a title.
> I don't see this symbol listen in the vector-drawn fonts (chapter 12
> of the IDL manual) and I was wondering how other people solve this.

Divide by 0.5292 and label it "atomic units" instead :-)

Depending on your output device, you may be able to find a hardware font with the Angstrom symbol in it. This brings up another problem, however, which I have found very irritating. Unlike the Hershey fonts, here seems to be no way of mixing fonts within a string for the hardware fonts, eg postscript. If you want to mix symbol and non-symbol characters in the same line, you have to use two different xyouts commands and line them up by hand. Anybody got a better way?

Phil

--

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Subject: Re: Angstrom symbol in IDL/PvWave title
Posted by [hofer](#) on Wed, 25 Mar 1992 08:13:49 GMT

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In article <120918@lll-winken.LLNL.GOV>, sterne@dublin.llnl.gov (Philip Sterne) writes:

> In article <1992Mar24.201306.16257@ucsu.Colorado.EDU>,
> boroson@ucsu.Colorado.EDU (BOROSON BRAM S) writes:
>> I'm making a plot and I need to use an Angstrom symbol in a title.
>> I don't see this symbol listen in the vector-drawn fonts (chapter 12
>> of the IDL manual) and I was wondering how other people solve this.
>
> Divide by 0.5292 and label it "atomic units" instead :-)

We `solve' this by using the string "Angstroems" or by dividing by ten and using "nm". Sorry, no better solution.

Remo Hofer

--

RFC822: <hofer@urz.unibas.ch> or <hofer%urz.unibas.ch@CERNVAX.BITNET>
X.400: S=hofer;OU=urz;O=unibas;P=SWITCH;A=ARCOM;C=CH
HEPNET/SPAN: CHGATE::YOGI::HOFER or 20579::48130::HOFER

Subject: Re: Angstrom symbol in IDL/PvWave title
Posted by [dieh1232](#) on Wed, 25 Mar 1992 13:51:58 GMT
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In article <1992Mar24.201306.16257@ucsu.Colorado.EDU> boroson@ucsu.Colorado.EDU (BOROSON BRAM S) writes:

> I'm making a plot and I need to use an Angstrom symbol in a title.
> I don't see this symbol listen in the vector-drawn fonts (chapter 12
> of the IDL manual) and I was wondering how other people solve this.
>

We got the same sort of problem here in Germany with our Umlauts ("a","o","u").
As a workaround I initialize a common block at the beginning of each session that contains strings with base-character, the two dots and some character-positioning-commands. It is not really perfect in the looks, but PVI didn't offer anything better. For using these special characters I concatenate them with the other parts of the string to print,

```
e.g.: title=aeg+'rger'
common umlaut ,ae,aeg,oe,oeg,ue,ueg
ae='!sa!r!u!e!9 . . !n!3' & aeg='!sA!r!u!e!9 . . !n!3'
oe='!so!r!u!e!9 . . !n!3' & oeg='!sO!r!u!e!9 . . !n!3'
ue='!su!r!u!e!9 . . !n!3' & ueg='!sU!r!u!e!9 . . !n!3'
```

I suppose you could create the Angstrom in a similar way.

rolf

rolf diehl technical university berlin
dieh1232@files1zrz.zrz.tu-berlin.de

Subject: Re: Angstrom symbol in IDL/PvWave title
Posted by [hcohl](#) on Wed, 25 Mar 1992 15:19:28 GMT
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Hi,

I wrote an IDL script a little while back that emulates
a vector drawn angstrom as a string.

You would do something like this:

```
IDL> xyouts,10,10,angstrom(),/dev
```

for instance...

Good luck

here it is,

Howie

```
-----
Howard Cohl                HOME :      (505)434-3717
National Solar Observatory   WORK :      (505)434-7000
Sunspot, New Mexico         E-MAIL : hcohl@sunspot.noao.edu
88349
-----
```

```
;----- --
;+
; NAME:
;   ANGSTROM
; PURPOSE:
;   This function, if called, returns a string containing
;   the vector drawn signature of the angstrom symbol.
; CATEGORY:
;   TEXT STRING ROUTINES
; CALLING SEQUENCE:
;   sang = angstrom()
; INPUTS:
;   NONE
; KEYWORD PARAMETERS:
; OUTPUTS:
;   sang = A scalar string containing the vector drawn
;   signature of the angstrom symbol.
;   type: scalar,string
; COMMON BLOCKS:
; NOTES:
; MODIFICATION HISTORY:
;   H. Cohl, 2 Apr, 1991 ---
;-
;----- --
```

```
function angstrom,help=help
```

```
    angstrom='!SA!R!U!9 %!17'
    sang=string(angstrom)
```

```
return,sang
```

```
end
```

```
--
```

```
-----
Howard Cohl                HOME :      (505)434-3717
National Solar Observatory   WORK :      (505)434-7000
```

Subject: Re: Angstrom symbol in IDL/PvWave title
Posted by [paul](#) on Wed, 25 Mar 1992 17:37:54 GMT
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Try the following to create an IDL angstrom symbol:

```
ang='!3!SA!R!A!9%!N!3'
```

example: `plot,x,y,xtitle=ang, ...`

paul@astro.umd.edu
