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Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [biophys](#) on Fri, 18 Jul 2008 04:57:59 GMT

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Check out my font helper at <http://tinyurl.com/fontart> and things like this should be easier hopefully. :)

Cheers,

-  
bp

On Jul 17, 11:33 am, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:

- > This is one of those things that everyone but me probably already
- > knows.
- >
- > To display the degree symbol in most Postscript fonts
- > (glyph B0 in hex), you have to set the /ISOLATIN1 keyword via the
- > DEVICE command. This is not the most obscure feature that I
- > have ever seen in IDL (perhaps we should start a top 10 list),
- > but it is right up there.
- >
- > Ken Bowman

---

Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [Wox](#) on Fri, 18 Jul 2008 08:04:56 GMT

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On Thu, 17 Jul 2008 21:57:59 -0700 (PDT), biophys <biophys@gmail.com> wrote:

- > Check out my font helper at <http://tinyurl.com/fontart> and things like
- > this should be easier hopefully. :)

Nice!

---

Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [Paul Van Delst\[1\]](#) on Fri, 18 Jul 2008 14:04:09 GMT

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Kenneth P. Bowman wrote:

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- > knows.
- >
- > To display the degree symbol in most Postscript fonts
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- > but it is right up there.

What's wrong with !Uo!N ?

If you can see a meaningful difference, then your printer has more dpi than it should! :o)

cheers,

paulv

---

Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [Kenneth P. Bowman](#) on Fri, 18 Jul 2008 15:12:54 GMT  
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In article <g5q7sp\$s2d\$1@news.nems.noaa.gov>,  
Paul van Delst <Paul.vanDelst@noaa.gov> wrote:

- > Kenneth P. Bowman wrote:
- >> This is one of those things that everyone but me probably already
- >> knows.
- >>
- >> To display the degree symbol in most Postscript fonts
- >> (glyph B0 in hex), you have to set the /ISOLATIN1 keyword via the
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- >> but it is right up there.
- >
- > What's wrong with !Uo!N ?
- >
- > If you can see a meaningful difference, then your printer has more dpi than it should! :o)
- >
- > cheers,
- >
- > paulv

That prints a superscript lowercase letter O, correct? My eagle-eye is offended by its non-circularity. ;-)

Ken

---

Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [David Fanning](#) on Fri, 18 Jul 2008 16:52:40 GMT  
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Kenneth P. Bowman writes:

- > This is one of those things that everyone but me probably already
- > knows.
- >
- > To display the degree symbol in most Postscript fonts
- > (glyph B0 in hex), you have to set the /ISOLATIN1 keyword via the
- > DEVICE command. This is not the most obscure feature that I
- > have ever seen in IDL (perhaps we should start a top 10 list),
- > but it is right up there.

This is a good point, since Isolatin encoding is turned on by default with HERSHEY fonts, but turned off by default with hardware fonts of the sort you typically use in PostScript. Thus, it makes it a bit harder to write device-independent programs, because this is something you have to keep in mind.

To this end, I've made a change in my PSConfig suite of programs to set the ISOLATIN1 keyword to 1 by default, rather than to the normal 0. (The ISOLATIN1 keyword is accessed in PSCONFIG normally, by setting the FONTINFO keyword when you call the program. Most people, of course, have never used the FONTINFO keyword (including me).) So, setting the keyword by default will make this functionality mindlessly available to me and everyone else. :-)

You can download the PSCONFIG set of programs here:

<http://www.dfanning.com/programs/psconfig.zip>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Seppure ma de ni thui. ("Perhaps thou speakest truth.")

---

Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [David Fanning](#) on Fri, 18 Jul 2008 17:11:08 GMT  
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Kenneth P. Bowman writes:

- > That prints a superscript lowercase letter O, correct? My eagle-eye is offended

> by its non-circularity. ;-)

Must be a Mac thing. ;-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

---

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Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [Paul Van Delst\[1\]](#) on Fri, 18 Jul 2008 17:19:30 GMT

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Kenneth P. Bowman wrote:

> In article <g5q7sp\$s2d\$1@news.nems.noaa.gov>,

> Paul van Delst <Paul.vanDelst@noaa.gov> wrote:

>

>> Kenneth P. Bowman wrote:

>>> This is one of those things that everyone but me probably already

>>> knows.

>>>

>>> To display the degree symbol in most Postscript fonts

>>> (glyph B0 in hex), you have to set the /ISOLATIN1 keyword via the

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>>> have ever seen in IDL (perhaps we should start a top 10 list),

>>> but it is right up there.

>> What's wrong with !Uo!N ?

>>

>> If you can see a meaningful difference, then your printer has more dpi than it should! :o)

>>

>> cheers,

>>

>> paulv

>

> That prints a superscript lowercase letter O, correct? My eagle-eye is offended

> by its non-circularity. ;-)

I figured it might. (I use latex to insert labels as required for publications)

viva le \circ! :o)

cheers,

paulv

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Subject: Re: Displaying degree symbol with Postscript fonts

Posted by [bjelley](#) on Fri, 18 Jul 2008 18:18:36 GMT

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On Jul 18, 10:12 am, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:

> In article <g5q7sp\$s2...@news.nems.noaa.gov>,

> Paul van Delst <Paul.vanDe...@noaa.gov> wrote:

>

>

>

>

>

>> Kenneth P. Bowman wrote:

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>> What's wrong with !Uo!N ?

>

>> If you can see a meaningful difference, then your printer has more dpi than it should! :o)

>

>> cheers,

>

>> paulv

>

> That prints a superscript lowercase letter O, correct? My eagle-eye is offended

> by its non-circularity. ;-)

>

> Ken- Hide quoted text -

>

> - Show quoted text -

What is wrong with Matthew Craig's TeXtoIDL version (/circ keyword)?

It is rather aged (1996?), but still works fine for greek letters,

infinity character, and such.

Gumley still probably has it posted on his book companion site.

Cheers,

-Ben

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Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [Kenneth P. Bowman](#) on Fri, 18 Jul 2008 20:35:47 GMT  
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In article <MPG.22ea7c94f102c48998a40a@news.giganews.com>,  
David Fanning <news@dfanning.com> wrote:

> Kenneth P. Bowman writes:  
>  
>> That prints a superscript lowercase letter O, correct? My eagle-eye is offended  
>> by its non-circularity. ;-)  
>  
> Must be a Mac thing. ;-)  
>  
> Cheers,  
>  
> David

Just the relentless pursuit of perfection. ;-)

Ken

---

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Subject: Re: Displaying degree symbol with Postscript fonts  
Posted by [Kenneth P. Bowman](#) on Fri, 18 Jul 2008 20:36:02 GMT  
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In article <MPG.22ea784099ceccda98a408@news.giganews.com>,  
David Fanning <news@dfanning.com> wrote:

> Kenneth P. Bowman writes:  
>  
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>>  
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> program. Most people, of course, have never used the FONTINFO  
> keyword (including me.) So, setting the keyword by default will  
> make this functionality mindlessly available to me and everyone  
> else. :-)  
>  
> You can download the PSCONFIG set of programs here:  
>  
> <http://www.dfanning.com/programs/psconfig.zip>  
>  
> Cheers,  
>  
> David

Ha, told ya so.

I made the same change to my PS\_ON program (which is a heavily modified version of Liam's similar program).

Ken

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