
Subject: Re: Greek Symbols in Plot Annotations

Posted by [Paul Van Delst\[1\]](#) on Mon, 11 Jan 2010 23:02:59 GMT

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Excellent. I no longer need to do stuff like

```
Delta  = !D.NAME EQ 'PS' ? '!9D!X' : '!4D!X'
epsilon = !D.NAME EQ 'PS' ? '!9e!X' : '!4e!X'
```

in my code! Woohoo!

BTW, why not do something like

```
IF !D.NAME EQ 'PS' THEN BEGIN
  DEVICE, /ISOLATIN1
  esc = '!9'
ENDIF ELSE BEGIN
  esc = '!4'
ENDELSE
```

```
CASE StrLowerCase(letter) OF
  'alpha': greekLetter = (capital) ? String("101B) : String("141B)
  'beta':  greekLetter = (capital) ? String("102B) : String("142B)
  ...etc...
ENDCASE
greekLetter = esc + greekLetter + '!X'
```

?

The only thing the CASE construct should be doing is selecting the right string element, right? All the other stuff (prefixing and suffixing with the escape sequences, testing for PS or not) can be done outside. Then you only need one CASE construct and the code is not so wet[*]. :o)

cheers,

paulv

[*] http://en.wikipedia.org/wiki/Don't_repeat_yourself

David Fanning wrote:

> wlandsman writes:

>

>> Those of us who know LaTeX have probably been using the TeXtoIDL

>> package for this task. (The original version is at

>> <http://physweb.mnstate.edu/mcraig/textoidl/> ; a slightly improved

>> package is available in the excellent Sloan Digital Sky Survey (SDSS)
>> library <http://code.google.com/p/sdssidl/>). One finds the string
>> for the Greek alpha symbol as string = textoidl('\alpha'). But I
>> don't believe that TeXtoIDL handles true-type fonts, so greek.pro
>> should still be useful even for TeXtoIDL users -- thanks.
>
> Maarten Sneep gave me a great suggestion this morning. As
> an alternative to setting the CAPITAL keyword to getting
> the uppercase Greek letter, you can now also capitalize
> the first letter of the Greek name. So, before to get
> a capital letter you did this:
>
> Print, Greek('omega', /CAPITAL)
>
> But now you can also do this:
>
> Print, Greek('Omega')
>
> The program is here:
>
> <http://www.dfanning.com/programs/greek.pro>
>
> Cheers,
>
> David
>
>
>
