Subject: New Lib (TeXtoIDL): Easy Greek letters in IDL
Posted by mcraig on Thu, 11 Jul 1996 07:00:00 GMT
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Greetings,

I have written a set of IDL functions to make Greek letters, special symbols, and sub/superscripts easier to use in IDL. The routines translate a string written in the TeX typesetting notation to a string in IDL format. The TeX notation is MUCH easier to remember. An excerpt from the README is below. Also in the README, though not included below, is an introduction to TeX notation for those not familiar with it.

From the TeXtoIDL README:

PURPOSE:
The purpose of the TeXtoIDL routines is to make it simple to use Greek letters, subscripts and superscripts in making labels for plots in IDL. This is accomplished by allowing the user to use TeX control sequences for Greek letters and special symbols and for sub/superscripts. The TeX control sequences are simple and easy to remember, especially if you already use TeX for writing papers (for those unfamiliar with TeX, an explanation of that notation is below). The translation is done for either vector or PostScript fonts.

EXAMPLE:
If you type. . .

```
IDL> str = TeXtoIDL("\rho^2 + 2\Gamma_{ij}")
IDL> print, str
STR             STRING    = '!7q!X!U2!N + 2!7C!X!Dij!N'
IDL> xyouts,.5,.5,str,CHARSIZE=2.,/NORM
```

then on the screen you will see the Greek letter rho with a 2 in the exponent, and then a + and then a 2 and then the uppercase Greek letter gamma, with an "ij" in the subscript.

The library is available at:

ftp://coma.berkeley.edu/pub/mcraig/idl/TeXtoIDL/

Enjoy,
Matt

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Subject: Re: New Lib (TeXtoIDL): Easy Greek letters in IDL
Posted by Mirko Vukovic on Thu, 18 Jul 1996 07:00:00 GMT
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matt craig wrote:
>
> Greetings,
>
> I have written a set of IDL functions to make Greek letters, special
> symbols, and sub/superscripts easier to use in IDL. The routinesYesss!!!!. excellent idea.
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