
Subject: Re: New Lib (TeXtoIDL): Easy Greek letters in IDL

Posted by [rosentha](#) on Fri, 12 Jul 1996 07:00:00 GMT

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On 11 Jul 1996 00:38:30 GMT, matt craig <mcraig@fornax> 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 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/>

If I had a daughter I'd offer you her hand.

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--Colin Rosenthal | ``Don't smell the flowers -

--rosentha@obs.aau.dk | They're an evil drug -

--<http://www.obs.aau.dk/~rosentha> | To make you lose your mind"-

