
Subject: Re: Coyote Library Updates

Posted by [Paul Van Delst\[1\]](#) on Fri, 09 Nov 2012 18:40:56 GMT

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Hello,

I went to

[https://code.google.com/p/idl-coyote/source/browse/tags/coyo tel/](https://code.google.com/p/idl-coyote/source/browse/tags/coyo%20tel/)
but can't figure out what tag to export.

Should I grab 1.14.1?

I see 1.0.x and 1.1.x and 1.2.x tags, then it jumps to 1.10.x. The big jump confuses me.... (sorry)

cheers,

paulv

On 11/09/12 12:15, David Fanning wrote:

> Folks,

>

> A couple of changes to the Coyote Library that you may
> want to be aware of.

>

> The Number_Formatter program has been retired and is
> replaced by the cgNumber_Formatter program. This program
> has been updated to handle NaN and Inf values properly,
> and it now works MUCH better for numbers between 0.0001
> and 1.0. In this case, the number of decimals specified
> with the DECIMAL keyword is taken to mean the number of
> significant digits that should be displayed:

>

> IDL> a = [0.0123456, 0.000123456, !Values.F_NAN]

> IDL> Print, cgNumber_Formatter(a, Decimals=3)

> 0.0123 0.000123 NaN

>

> Also, the cgCheckForSymbols and the cgSymbol programs
> have been updated to handle superscripts and subscripts.

> The symbols \up and \down implement the !U and !D
> format codes, and reduce the size of the superscript or
> subscript by 0.62 percent. The symbols \exp and \sub
> implement !E and !I format codes and reduce the size
> of the superscript or subscript by 0.44 percent.

>

> IDL> cgPlot, cgDemoData(1), \$

> XTitle='Distance (\$\angstrom\$\$\up2\$)', \$

> YTitle='H\$\subSubscript\$ and B\$\expSuperscript\$', \$
> CharSize=2.0
>
> Naturally, these work in PostScript files as well. :-)
>
> You can find these changes and others in the latest Coyote Library:
>
> [http://www.idlcoyote.com/programs/zip_files/coyoteprograms.z ip](http://www.idlcoyote.com/programs/zip_files/coyoteprograms.zip)
>
> Or, here:
>
> <http://idl-coyote.googlecode.com/>
>
> Cheers,
>
> David
