Subject: Re: Coyote Library Updates Posted by Paul Van Delst[1] on Fri, 09 Nov 2012 18:40:56 GMT View Forum Message <> Reply to Message

Hello.

```
I went to
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https://code.google.com/p/idl-coyote/source/browse/tags/coyo te/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
>
> Or, here:
>
     http://idl-coyote.googlecode.com/
>
>
> Cheers,
> David
```