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Subject: Re: MGlib IDL library

Posted by [Michael Galloy](#) on Tue, 19 Mar 2013 14:19:05 GMT

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On 3/19/13 3:10 am, superchromix wrote:

>  
> I downloaded and started experimenting with Michael Galloy's MGLIB  
> library yesterday, and I was impressed with some of the features. I  
> wanted to give a heads-up to the list that this is out there, and  
> contains a lot of useful tools. Not as extensively documented as  
> David Fanning's library, but it looks quite powerful.  
>  
> In particular, the library routines for interacting with HDF5 files  
> are very nice. It looks like there are a lot of visualization tools  
> as well. Also routines for interfacing with Google Chart tools, and  
> with Google Voice as well ?!?  
>  
> have a look:  
>  
> <https://github.com/mgalloy/mglib>

Thanks!

I think some of the more useful things in the library:

- \* routines for pulling data out of with HDF5, netCDF, and HDF files
- \* template class (used in IDLdoc) to substitute strings into a text file
- \* various special purpose visualization routines for things like vector fields, producing POV-Ray output
- \* an automatic bindings generator for producing an IDL DLM with wrappers around C routines

I will say that I have not "released" the library, it is just a collection of routines I personally use. So individual routines may not be as general as I intend for them to eventually be, but they solved a problem I needed at the time.

Mike

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Michael Galloy

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Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

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