Subject: Re: HDF5 compound data structure Posted by David Fanning on Thu, 13 Mar 2008 18:17:16 GMT

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Giorgio writes:

- > Does anyone knows how to read data saved under a compound data
- > structure? I am able to open with H5T_OPEN command and to see its
- > components with H5T GET NMEMBERS, however I do not know which command
- > is able to read them.

The H5_BROWSER is actually quite decent for reading HDF5 data files. MUCH better than the HDF_BROWSER.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming (www.dfanning.com)

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: HDF5 compound data structure Posted by Giorgio on Tue, 18 Mar 2008 07:55:59 GMT View Forum Message <> Reply to Message

Thanks David. I played with the h5_browser and I can not read the h5 sample data I have. We want to save our experimental data by using the table structure available with hdf5 format (which is produced by python). However, in IDL we can not read this. I developed a class hdf5 following your code ncdf_data__define which performs OK with non-structured data, but it can not read tables. Do you know how to read this kind of compound data?

Best wishes.

Giorgio

Subject: Re: HDF5 compound data structure
Posted by David Fanning on Tue, 18 Mar 2008 13:37:38 GMT
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Giorgio writes:

- > Thanks David. I played with the h5_browser and I can not read the h5
- > sample data I have. We want to save our experimental data by using the
- > table structure available with hdf5 format (which is produced by
- > python). However, in IDL we can not read this. I developed a class
- > hdf5 following your code ncdf_data__define which performs OK with non-
- > structured data, but it can not read tables. Do you know how to read
- > this kind of compound data?

No, my experience with HDF5 is extremely limited. I do notice that in a tutorial for creating tables:

http://hdf.ncsa.uiuc.edu/HDF5/Tutor/h5table.html#01

that a function H5TBread_table is called. Nothing like that seems to be available in IDL, so perhaps tables are not supported. A quick look at the IDL documentation doesn't shed any light.

Cheers,

David

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David Fanning, Ph.D. Fanning Software Consulting, Inc.

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Sepore ma de ni thui. ("Perhaps thou speakest truth.")