
Subject: Re: Choose a image file format ?
Posted by [Martin Downing](#) on Tue, 15 Sep 1998 07:00:00 GMT
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You ask for a lot, I do not believe that commercial software such as Photoshop would have a clue what to do with 3d volume data, or for that matter float images!

Martin

Daniel SAGE wrote in message <35FE0D8A.8185F272@epfl.ch>...

Hello,

I would like to choose an unique image file format for our group of research, like HDF, Analyze, Dicom, ...

My specifications are the following :

1. Store image and volume of differents types (byte, long, float ...)
2. Be recognized and used in the biomedical domain
3. Command to read/write in IDL, or simple program to read/write in IDL

that we can develop

4. Compatible with commercial softwares like Photoshop, ...

Is anyone has an know-how or experience with a specific file format, it will be great to help me in my choice ?

Thank you.

Daniel Sage
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Subject: Re: Choose a image file format ?
Posted by [Liam Gumley](#) on Tue, 15 Sep 1998 07:00:00 GMT
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Daniel SAGE wrote:

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It seems to me that Photoshop compatibility could conflict with your desire to store different data types (byte, long, float). According to the Photoshop 5.0 info at <http://www.adobe.com/prodindex/photoshop/prodinfo.html>,

"File-format and Cross-platform Compatability

Support for Web publishing file formats, including GIF89a, PNG, Progressive JPEG, and Adobe Portable Document Format (PDF)
Support for graphics file formats, including Encapsulated PostScript (EPS, including Adobe Illustrator), Kodak(R) Photo CD(TM), TIFF, JPEG, Scitex(R) CT, DCS, PCX, BMP, PIXAR, PixelPaint(TM), MacPaint(R), Raw, Targa (TGA), CompuServe(R) GIF, and Amiga IFF/LBM"

I don't know if any of these formats support multiple data types.

If you're looking for a file format that is platform independent, supports different data types, and is IDL compatible, then I'd choose netCDF (<http://www.unidata.ucar.edu/packages/netcdf/index.html>)

Cheers,
Liam.

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