Subject: Re: Is IDL/PVWAVE suitable as a image processing tool?
Posted by geomagic on Wed, 17 Nov 1993 14:37:46 GMT

In article <terjelm.753529686@dslab7> terjelm@stud.cs.uit.no (Terje Lein-Mathisen) writes:

> We are just about to start working on a program that need to
> process and display images in a Motif environment.
>
> Among the functions we need are these:
> o Load and display an image.
> o Add an overlay (land contours)
> o Add a lat-long grid.
> o Do pan/zoom
> o Do LUT manipulation
> o Map pixel/point information to physical values.
>
> This should preferably run on several Unix platforms.
>
> How suitable is IDL (or PVWAVE) as an image processing package
> to be used in a big program?
>
> We would also like to know if it is possible to call IDL directly
> from a C-program, or if some other techniques are needed, like starting
> IDL in the background and control it through a pipe.
>
> We would appreciate any help

We use IDL to do some simple visualization, but it quickly becomes a pain
to construct kludges to make the map projection stuff work correctly (scale
correctly on various output devices). We use GRASS (which is available
free) when we get serious about a project and want to overlay DEM's,
DLG's, Landsat, geological, and geophysical data on lat-long grids. GRASS
does a good job of interpolating to the resolution of output devices
and doing the proper map projection scaling.

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